INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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C-O-N-F-I-D-E-N-T-I-A-L 25X1 COUNTRY China **REPORT** SUBJECT Catalogs of Exports from DATE DISTR. 12 July 1957 Communist China NO. PAGES REQUIREMENT RD REFERENCES DATE OF INFO. 25X1 PLACE & DATE ACQ. 25X1 SOURCE EVALUATIONS ARE DEFINITIVE APPRAISAL OF C Exports offered by the China National Machinery Import Corporation, Peiping, included the following: Geared head lathe, model C616 Multi-cutter semi-automatic late, models C 720 and C 730 Geared head lathe, model C620 Turret lathe, models C365L and C325 Horizontal milling machine, model X62 Universal milling machine, models X61W and X62W Horizontal milling machine, model X602 Vertical drilling machine, model Z725 Portable radial drilling machine, model Z32K Radial drilling machine, model Z33 Radial drilling machine, model Z35 Vertical drilling machine, models 2518 and 2535 Hydraulic surface grinding machine, model M7130 Cylindrical grinding machine, models M15 and M125 Tool grinder, model M6250K Straightening and polishing machine, model Q-88 Shaper, model B665 Slotting machine, model 7417 Spur gear shaping machine, model J-546 Gear hobbing machine, model J375 Thread rolling machine, semi-automatic Drill bit forging machine, model 421-90 Double housing planer, models B210 and B215 Ball mill, model 612-550X450 Disc disintegrator, model 622-175

Jaw crusher, models 111-750X1450 and 112-100X140; roller crusher, models 422-200X75 and 422-200X125 Five horsepower diesel engine Hand operated winch, models 221-3, 221-10, 221-5, and 221-1 C-O-N-F-I-D-E-N-T-T-A-I. 25X1 X ARMY X NAVY X AIR Treas 25X1 (Note: Washington distribution indicated by "X"; Field distribution by "#".)

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Single drum hoisting machine, models 222-1500, 222-900, 222-1360, and 222-2000 Water pump, centrifugal type Air compressor, 3-horsepower Air compressor, 15-horsepower Air compressor, model 1-6/7 Air compressor, model 1-6/7 Air compressor, model 1-40/8 Half-ton steam hammer, model 232-½ Steam or pneumatic hammer (1-ton), model 232-1 Pneumatic-steam hammer (2-ton), model 232-2

- 3. Exports offered by the China National Transport Machinery Import Corporation included the following:
 - a. Textile and knitting machinery:

Three-bowl calender Twenty-roller raising machine Body-size underwear knitting machine Interlock knitting machine Double-head spring-needle knitting machine Automatic hosiery machine, model B-1 Automatic hosiery machine, model B-2 Automatic hosiery machine, model B-3 Automatic hosiery machine, model K-1 Automatic rib machine, models R-3, R-4, and R-5 Automatic rib top machine, models R-1 and R-2 Lockstitch looper Hydro extractor, model KM 106 Bamboo-hexagon traverse winder Bottle-bobbin winding machine Cone-tube traverse winder Yarm mercerizing machine Automatic loom, type 1511 Textile machinery (various types) Chinese bobbins, shuttles, reeds, wire healds, and weaving droppers

b. Machinery used in production of vegetable oils:

Peanut sheller
Aspirator sifter
Pre-heater
Cake crusher (No. 14)
Cake crusher (No. 20)
Three-high crushing roller mill
Five-high crushing roller mill
Medium-size oil expeller
Eight-ton oil expeller
Filter press
Oil purifier
Triple-plunger pump
Hand pump

c. Miscellaneous items:

Printing machinery
Printing press equipment
Rotary printing machines
Machines for mixing raw rubber and retreading tires
Automatic stucco mixer

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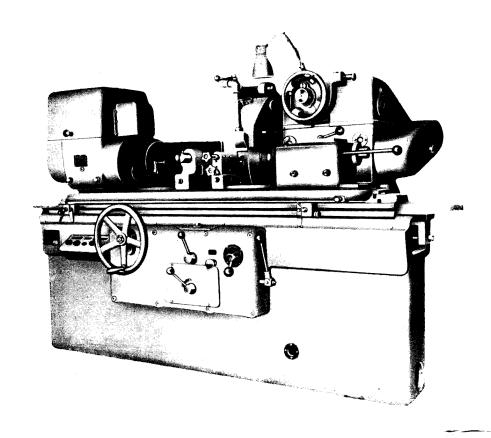
	C-O-N-F-I-D-E-N-T-I-A-L	
	- 3 -	
	- 3 -	
1	Vertical hogshead washer Horizontal hogshead washer Full-automatic tube filling, closing and sealing machine Non-slip continuous wire drawing machine Automatic nail making machine Blue cut tack making machinery Single-trigger and double-trigger spraying gun Ammonia compressor, models 2 AV-76, 2 AV-100, 2 AV-76U, 2 AV-23O, and 2 AV-165 Industrial sewing machine, "Flying Man" models 61300, 45 K 25, 124, 146-1, 18, and "Typical" models 81-6 and 96-41. Hard candy machine, "Tank" brand "New China" cigarette machine Type BTB CO ₂ fire extinguisher Storage batteries, "Kin Hong" brand	
4•	Fifteen kinds of woodworking machines were described in Chinese in illustrated leaflets giving the model numbers in Russian. A universal circular saw, not included in the foregoing, was described in English on a typewritten sheet attached to a photograph of the saw.	
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C-O-N-F-I-D-E-N-T-I-A-L

Cylindrical Grinding Machine

ylindrical Grinding Machine

Machin



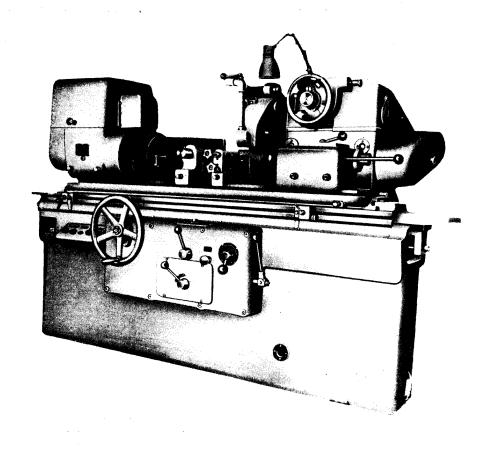
中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

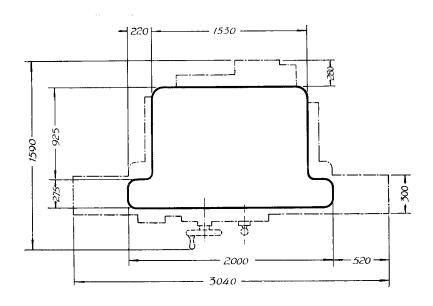
(IMPORT — EXPORT)

CABLE ADDRESS "MACHIMPORT" DEKING

Sanitized Copy Approved for Release 2010/02/24 : CIA-RDP80T00246A035700170001-7

Model M115





HYDRAULIC CYLINDRICAL GRINDING MACHINE

Model M115

This machine is designed for plain cylindrical and taper grinding of workpiece up to 150 mm in diameter and 750 mm in length.

During operation, the workpiece is held between the dead centres and is driven by a driving dog fixed in the headstock face plate.

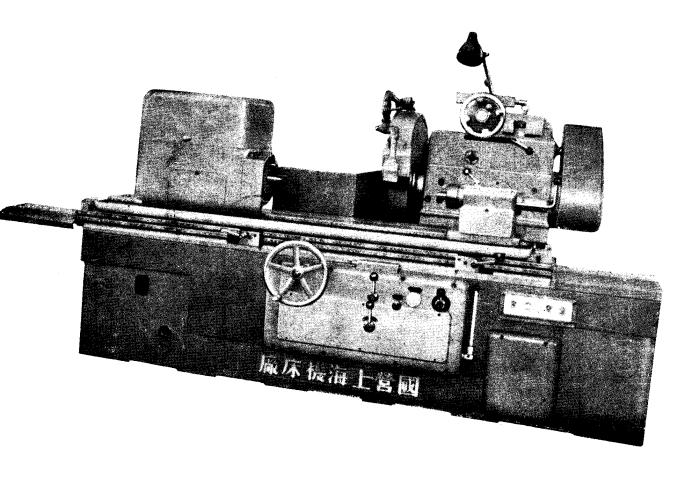
The upper working table may be swivelled to a desired degree for taper grinding. The machine is equipped with hydraulic drive unit, by means of which the following functions are made possible:

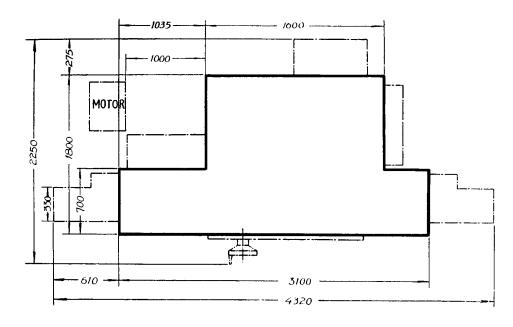
- (1) The longitudinal travel of table.
- (2) The rapid advance and back movement of grinding wheel and the intermittent feed of grinding wheel during the travelling of table.

The machine is fitted with hand-operated table travelling mechanism and grinding wheel feeding mechanism. The wear of grinding wheel can be compensated after adjustment. The electric system consists of four independent motors.

1.	Main dimensions:							
	Height of centres (over tab	ole)						125 mm.
	Max. distance between cent							750 mm.
	Distance between centre lin							100 111111
	centres:	· 01 g			op.			
	*							425 mm.
					• • • •			225 mm.
_	Min							229 mm.
2.	Size of Working Table:							
	Diameter of workpiece that	can be g	roun	d:				
	Max. (with centre rest							60 mm.
	Max. (without centre a	est)						150 mm.
	Min							0 mm.
	Max, length of workpiece th							750 mm.
	Working table, headstock an			Ju				100
	Max. longitudinal trav	al of to	blo i	hydr	anlie	R,		
	manual)		Die .	(Hyur	aunc	æ		780 mm.
	Max. swivel of table					* *		5*
	Taper in centres of he							Morse No. 4
	=	eanstock	anu	tans	tock			Morse No. 4
3.	W heelhead :							
	Max. travel of wheelhead:	Manual						150 mm.
		Power						50 mm.
	Graduation of cross feed of	lial						0.005 mm.
	Dimensions of grinding wh							
	Max. diameter							600 mm.
	Min. diameter							450 mm.
	Width							60 mm.
	Bore							305 mm.
4.		****		****		••••	••••	000
4.	Capacity of Machnie:							mr 450 000
	Work spindle speeds							75,150,300 rpm.
	Traverse speed of table (h							
	Max							10 m/min.
	Min							0.08 m/min.
	Feed rate for rapid advan	ce and	back	move	emen	t of		
	wheelhead							2 m/min.
5.	Motors: 3 phase, A.C.							
	for Wheelhead:	Power						5.8 KW.
		Speed						1500 rpm.
	for Work spindle:	Power						0.8 KW.
	tor work spinare.	Speed						1000 rpm.
	for Hydraulic pump:	Power						1.7 KW.
	for frydraune pump:	Speed				****		1.7 KW. 1400 rpm.
	f () 1 t							
	for Coolant pump:	Power					• • • •	0.05 KW.
	6 U U	Speed						3000 rpm.
6.	Overall dimension							
	$(L \times W \times H)$							1590 x 1770 mm.
7.	Net weight:							3900 kg. approx.

Model M125





HYDRAULIC CYLINDRICAL GRINDING MACHINE

Model M125

This machine is intended for grinding cylindrical and tapered surfaces of workpieces up to 250 mm. in diameter and 1000 mm. in length.

The workpiece is set on two dead centres and rotated by means of a driving dog on the face plate. In grinding tapers, the working table can be swivelled to fit the work.

The machine is equipped with hydraulic driving system, by means of which the following functions are made possible:—

- 1) Reciprocating movement of table.
- 2) Rapid feed and withdrawal of grinding wheel.
- 3) Intermittent feed of grinding wheel.

The machine enables grinding up to the limit stop and provides means for compensating wheel wear.

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1.	Capacity:—								
	Max. distance between centr	es							1000 mm.
	Length of workpiece that car								1000 mm.
									160 mm.
	Height of centres from table Height of centres from floor								1000 mm.
	Height of centres from 1100	r	1			1			1000 mm.
	Max. diameter of workpiece								
									250 mm.
	Min. diameter of workpiece	that ca	in be	grou	\mathbf{n} d				10 mm.
	Overall dimension (L x W	x H)					432	0×2	225 x 1500 mm.
	Net weight								6000 kg.
									oooo kg.
2 .	Working table and bed:-								
	Max. longitudinal traverse o	of table							1085 mm.
	Table traverse per revolution	n of ha	nd-wh	eel:	F	lapid			24 mm.
	24010 010100 2				S	low			4 mm.
	Hydraulic table traverse spe								0.1-10 m/min.
									7°
	Max. table swivel				• •			•	•
								J	:10 inclination
3.	Carriage for grinding wheel	:							
	Grinding wheel dimensions:	Minin	num d	liame	eter				500 mm.
		Maxir	num						750 mm.
		Face		,,					75 mm.
		Face Hole		,,					305 mm.
	NT 0 1 11 1	11016		,,		•			
	No. of spindle speeds								2
	Range of spindle speed								860-700 rpm.
4.	Cross feed mechanism of gri	nding w	heel	carria	age:-				
	Traverse of grinding wheel c	arriage	leads	rew					250 mm.
	Traverse of grinding wheel	carriag	e hye	lraul	ic di	rive			50 mm.
	Traverse of grinding wheel Traverse of grinding wheel	carriag carria;	e hye ge pe	draul er re	ic di volu	rive tion	of h	and	50 mm.
	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carria;	e hye ge pe	draul er re	ic di volu	rive tion	of h	and	50 mm. 1 mm.
	Traverse of grinding wheel Traverse of grinding wheel wheel Diameter of workpiece grou	carriag carria; 	e hyd ge pe 	draul er re	ic di volu 	rive tion 	of h	and	50 mm.
	Traverse of grinding wheel Traverse of grinding wheel wheel Diameter of workpiece grou	carriag carria; 	e hyd ge pe 	draul er re	ic di volu 	rive tion 	of h	and	50 mm. 1 mm.
	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag 	ge hyd ge pe per d	draul er re ial g dial	ic di volu radu gra	rive tion ation duati	of h	and vith	50 mm. 1 mm. 0.01 mm.
	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carria und off ound off	ge hyd ge pe per d per	drauler re ial g	ic di volu radu gra	rive tion ation duati	of h	and vith	50 mm. 1 mm.
	Traverse of grinding wheel Traverse of grinding wheel wheel Diameter of workpiece grou Diameter of workpiece gro adjustable stop Intermittent feed per toot	carriag carriag ind off ound off ch of r	ge hyd ge pe per d per atche	drauler re ial g dial	ic di volu radu gra	rive tion ation duati	of h	and vith of	50 mm. 1 mm. 0.01 mm. 0.005 mm.
	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag ind off ound off ch of r	ge hyd ge pe per d per atche	drauler re ial g dial	ic di volu radu gra	rive tion ation duati	of h	and vith of	50 mm. 1 mm. 0.01 mm.
5.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag and off bund off ch of r	ge hyd ge pe per d per atche	drauler re ial g dial t wh	ic di volu radu gra	rive tion ation duati	of h	and vith of	50 mm. 1 mm. 0.01 mm. 0.005 mm.
5.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag and off bund off ch of r	ge hyd ge pe per d per atche	drauler re ial g dial t wh	ic di volu radu gra	rive tion ation duati	of h	and with of	50 mm. 1 mm. 0.01 mm. 0.005 mm.
5.	Traverse of grinding wheel Traverse of grinding wheel wheel Diameter of workpiece grou Diameter of workpiece grou adjustable stop Intermittent feed per toot grinding wheel carria Headstock:— Taper of centre	carriag carriag and off bund off ch of r	ge hyd ge pe per d per atche	drauler re ial g dial t wh	ic divolu	rive tion ation ation (trav	of h	and with of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5
5.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag and off ound off ch of r	ge hydge pegen per d'per d'per atche	drauler re	ic divolu	rive tion ation duati (trav	of h	and with of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm.
	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag and off ound off ch of r	ge hydge pegen per d'per d'per atche	drauler re ial g dial t wh	ic divolu	rive tion ation ation (trav	of h	and with of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5
5. 6.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag	per d per d per d atche	drauler re ial g dial wh	ic divolu	rive tion ation duati (trav	of h	and with of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm.
	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag	e hydge pe	drauler re	ic divoluradu gradu gra	rive tion ation duati (trav	of h	and with of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm.
	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag	e hydge pe	drauler re	ic divoluradu gradu gra	rive tion ation duati (trav	of h	and with of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm.
	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag and off ound off ch of r	e hydge pe	drauler re	ic divoluradu gra	rive tion ation duati (trav	of h	and vith of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5 35 mm.
6.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag carriag mod off ound off ch of r age)	per d' pe	drauler re	ic divoluradu gra	rive tion ation duati (trav	of h	and with of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5
	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag carriag mod off cund off ch of r age) mg em:	per de pe	drauler re	ic divolu	rive tion ation duati (trav	of h	and vith of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5 35 mm. 80 mm.
6.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag carriag mod off ound off carriag carri	ee hydge per de	drauler re	ic d volu radu gra eeel	rive tion ation duati (trav	of h	and vith of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5 35 mm. 80 mm.
6.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag carriag model off ound off ound off rage) carriag carria	per de pe	drauler re ial g dial t wh	ic d volu radu gra eeel	rive tion ation duati (trav	of h	and with of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5 35 mm. 80 mm.
6.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag carriag model off ound off ound off rage) carriag carria	per de pe	drauler re ial g dial t wh	ic d volu radu gra eeel	rive tion ation duati (trav	of h	and of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5 35 mm. 80 mm.
6. 7.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag carriag model off ound off ound off rage) carriag carria	per de pe	drauler re ial g dial t wh	ic d volu radu gra eeel	rive tion ation duati (trav	of h	and	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5 35 mm. 80 mm. 9 kg./cm² 50 kg./min.
6.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag carriag model off ound off ound off rage)	me hydge per de per de per atche	t wh	ic d volu radu gra eeel	rive tion ation duati (trav	of h	and vith of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5 35 mm. 80 mm. 9 kg./cm² 50 kg./min. 22 kg./min.
6. 7.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriag carriag carriag model off ound off ound off rage)	me hydge per diper	draul r re ial g dial dial t wh	ic d volu radu gra eel	control of the contro	of h	and vith of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5 35 mm. 80 mm. 9 kg./cm² 50 kg./min. 22 kg./min.
6. 7.	Traverse of grinding wheel Traverse of grinding wheel wheel wheel adjustable stop adjustable stop Intermittent feed per toot grinding wheel carria Headstock:— Taper of centre Diameter of face plate Speed of face plate Tailstock:— Taper of centre Extension of spindle bushing Hydraulic transmission syste Hydraulic pressure Capacity of coolant pump Capacity of coolant pump Electric driving system:— Motor for grinding wheel	carriage carriage	me hydge per diper	t wh	ic d volu radu gra eel	rive tion ation duati (trav	of h	and vith of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5 35 mm. 80 mm. 9 kg./cm² 50 kg./min. 22 kg./min. 10 KW. 970 rpm.
6. 7.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriage	per de per de per atche	draul r re ial g dial dial t wh	ie d volu radu gra eel	control of the contro	of h	and of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5 35 mm. 80 mm. 9 kg./cm² 50 kg./min. 22 kg./min. 10 KW. 970 rpm.
6. 7.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriage carriage	per dr per dr per dr per dr per dr non-	draul r re ial g dial dial t wh contact wh contact contact wh contact conta	ie d radu gra eeel	control of the contro	of h	and of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5 35 mm. 80 mm. 9 kg./cm² 50 kg./min. 22 kg./min. 10 KW. 970 rpm.
6. 7.	Traverse of grinding wheel Traverse of grinding wheel wheel	carriage carriage carriage	ge hydge per droper dro	draul r re ial g dial dial t wh	ie d radu gra eeel	rive tion	of h	and of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5 35 mm. 80 mm. 9 kg./cm² 50 kg./min. 22 kg./min. 10 KW. 970 rpm. 28 KW. 1420 rpm.
6. 7.	Traverse of grinding wheel Traverse of grinding wheel wheel wheel wheel Diameter of workpiece grou adjustable stop Intermittent feed per toot grinding wheel carria Headstock:— Taper of centre Diameter of face plate Speed of face plate Tailstock:— Taper of centre Extension of spindle bushin Diameter of spindle bushin	carriage	ge hydge per de per de per de per atche	ial g dial t wh	ie d radu gra eeel	rive tion	of h	and of	50 mm. 1 mm. 0.01 mm. 0.005 mm. 0.01 mm. Morse No. 5 200 mm. 40-350 rpm. Morse No. 5 35 mm. 80 mm. 9 kg./cm² 50 kg./min. 22 kg./min. 10 KW. 970 rpm.



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BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)

Cable Address: MACHIMPORT Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road E1

Cable Address: MACHIMPORT Shanghai

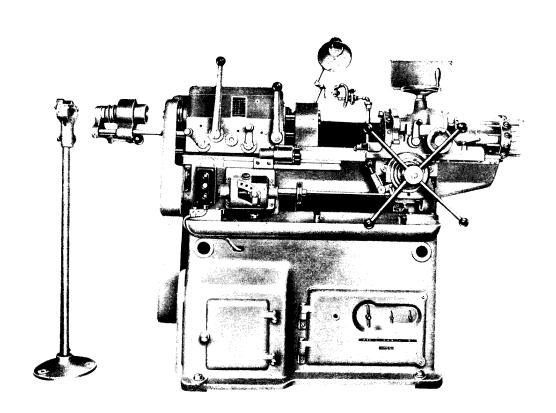
CANTON OFFICE: No. 2, West Bund Road, Canton

Cable Address: MACHINERY Canton

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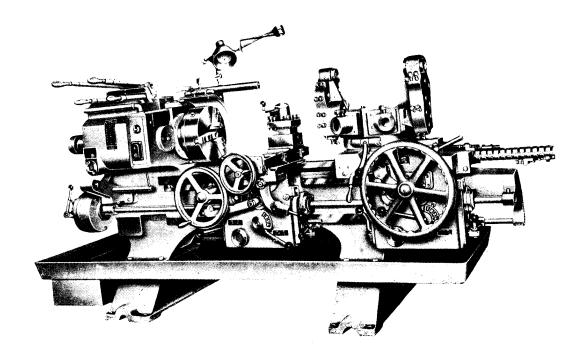
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中國機械進口公司

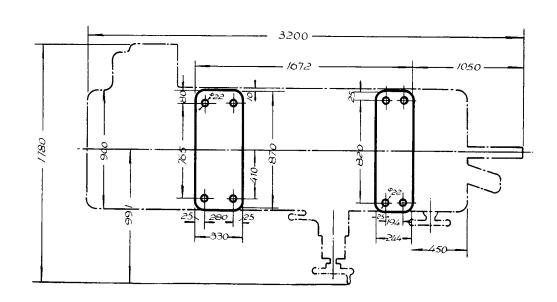
CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOW, HSI- CHIAO, PEKING, CHINA "CABLE ADDRESS: "MACHIMPORT" PEKING



Model C365L



TURRET LATHE

Model C365L

This machine is suitable for turning workpieces which require a series of successive operations such as cylindrical turning, thread cutting, etc. The workpiece is held either in a three-jaw chuck or other work-holding fixtures. The necessary tools are held by collets inside the 6 holes of turnet or set on a 4-way tool holder of cross slide. The machine is driven by an individual motor.

The spindle speed is controlled by headstock gears, and the feeds of turret and cross slide by feed gear box underneath the apron.

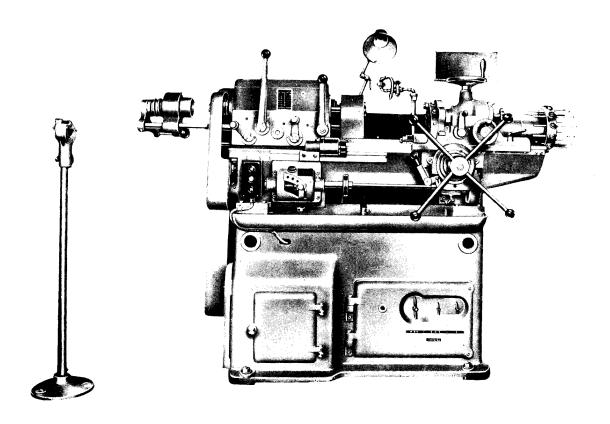
The rotation of spindle is reversible.

The turret saddle is provided with reversible power feed, hand travel and power rapid traverse with automatic disengagement at the end of the back stroke. It is also provided with automatic limit stops for stopping feeds. The feed mechanism is provided with automatic overload release. Turret saddle, cross slide, and stopdrum can be simultaneously adjusted by hand to the required positions.

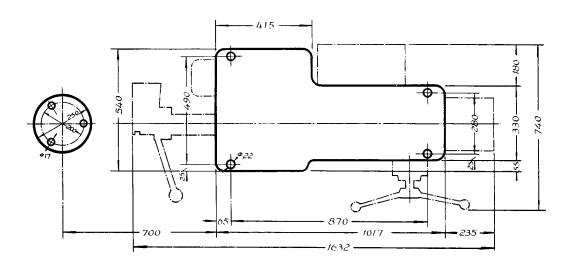
The cross slide is capable of longitudinal and cross feeds, and can be automatically disengaged by means of the limit stops. It is provided with stop-drum, on which 6 stops are intended for stopping longitudinal feeds and one for stopping the cross feeds.

By means of work-holding fixtures, tapers, grooves, and threads can also be machined on this lathe.

Height of	centres							-		210	mm.
Distance be	tween end	of s	pind	le an	d tur	ret f	ace:				
Min.								••••		260	mm.
Max.								•		1177	mm.
Maximum s	wing (for	chuc	king	wor	k):						
Over l	oed ways									440	mm.
Over c	ross slide							****		350	mm.
Over	carriage				• · · · ·			•		420	mm.
Maximum l	ongitudina	l tra	vel o	f tur	ret						
(by m	anual or p	ower	:)				• • • •			917	mm.
Maximum t	ravel of co	ross s	slide	(by 1	nanu	al or	pow	er):			
Longit	udinal							••••		1012	mm.
Cross										259	mm.
No. of spin	ndle speed	ls									12
Range of	spindle sp	eed:									
Forwa	rd						-	••••		44-1000	rpm.
Revers	se							••••		48-1094	rpm.
Nos. of cro	ss and lon	gitud	inal	\mathbf{feeds}				••••	• • • • •		16
Range of f	eeds of tu tion of sp			ross	slide	per					
Longit	tudinal									0.07 - 2.29	mm.
Cross										0.03-1.00	mm.
Motor (3-1	ohase, A.C	l.):									
Power										10	KW.
										1500	rpm.
Overall dir								3200	x 1	780 x 1450	mm.
	,									2980 kg. ap	



Model C325



TURRET LATHE

Model C325

This machine is suitable for turning all kinds of rods fixed on the spring collet or in the chuck. Cutters are secured at the 12 holes on the turret.

This machine is driven by an electric motor.

By means of the templates, profile turning can be carried out when the longitudinal feed of turret and the cross feed are taking place simultaneously.

The spindle speed is controlled by headstock gear box and the longitudinal feed by feed gear box.

The longitudinal feed can be automatically disengaged by means of the adjustable limit stop.

Height of centers	• •			115 mm.
Distance between end of spindle				
and turret face			• •	90-400 mm
Diameter of hole in spindle				26 mm.
Max. size of bar material:				
Round (diameter)				25 mm.
Square (side)				18 mm.
Hexagonal (side)				21 mm.
Max. turning length				150 mm.
Max. diameter of work held in chuck:				
Over turret slide				250 mm.
Over bed ways				300 mm.
Max. longitudinal travel of turret				330 mm.
No. of spindle speeds				6
Range of spindle speed				140-1380 rpm.
No. of longitudinal feeds of turret				4
Range of feed per revolution of spindle				0.06-0.25 mm.
Motor (3-phase, A.C.):				
Power				2.2 KW.
Speed				1450 rpm.
Overall dimension (L x W x H)				-
Net weight	• •	• •	9	oo kg. approx

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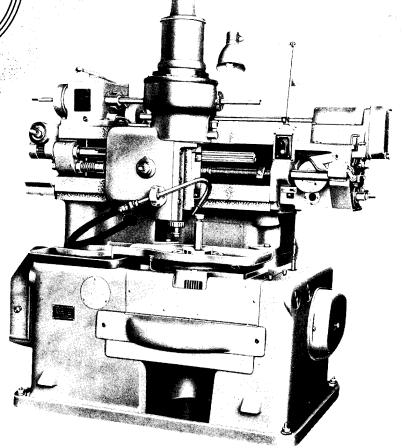
CANTON OFFICE: No. 2, West Bund Road, Canton

Cable Address: MACHINERY Canton

插齒机 SPUR GEAR Skaping MACHINE

MODEL **J-546**

25X1



中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION

ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA

SPUR GEAR SHAPING MACHINE

Model J546

This machine is used for shaping internal and external spur and helical gears.

The machine works on the generating principle of workpiece and cutter rolling together. It can be employed to cut helical gears when a special copying guide is fitted on the spindle of this machine.

This machine can also be used to cut gears such as stepcone gears, gears with shoulder, etc., which provide very little recess for the run out of cutter during cutting.

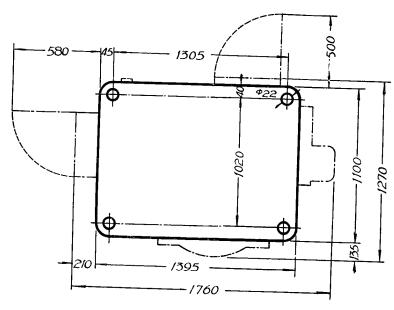
The number of reciprocating strokes and circular feeds of cutter are regulated by the gear box and the feeding box respectively. The indexing mechanism is controlled by means of change gears. The stroke of cutter can be adjusted by changing the position of set pin on the crank mechanism.

The teeth of the gear may be shaped by cutter in one, two, or three strokes. The number of strokes and the feeding rate of first, second, and third stroke are controlled by means of a special mechanism.

The directions of rotation of the cutter spindle and the working table are independent of each other.

Min. and Max. module		2 - 6
Min. and Max. outside diameter of spur gear .		20-462 mm.
Max. outside diameter of helical gear		
(spiral angle 23°)		462 mm.
Max. outside diameter of internal gear		550 mm.
Max. face width of gear:		105
External		105 mm.
Internal		75 mm.
Max. helix angle for helical gear		23°
Max. pitch diameter of gear:		
External		450 mm.
Internal (when cutter of 100 mm. dia. is used)		400 mm.
Max. distance between centres of work and cutter		350 mm.

Diameter of working table					240	
Max. stroke of slide	•	•	•	•	195	mm.
Min. and Max. distance between work	· · ·	•	•	•	125	mm.
table and lower face of cutter her	. J				0= -0-	
Max longitudinal transport	au	٠	•	•	35-160	mm.
Max. longitudinal traverse of the cutter	saddle	•			510	mm.
Traverse of the cutter saddle per one						
division of the scale during adjust	ment					
of the cutting depth of the cutter					0.02	mm.
Pitch diameter of the gear cutter .				_	100	mm
No. of strokes of the cutter per minut	e		12	5	179 95	2 250
Circular feed of cutter per stroke .			17.	ο, . Λο	1.004	0,009
por stroke.	• • •	0.	17;	0.4	1; 0.24;	0.30;
				α	/1 mm/a	stralea
		of	cu	tter	4 mm/s	
Average radial feed of cutter per stroke		of	cu	tter	•_	
Average radial feed of cutter per stroke		of	cu 0.0	tter 24;	0.048;	
Motors: 3-phase, A.C.		of	cu 0.0	tter 24;	•_	
		of	0.0 mn	tter 24; n/st	0.048; roke.	0.096
Motors: 3-phase, A.C. Main drive motor:	Power	of	0.0 mn	tter 24; n/st	0.048; croke.	0.096 KW.
Motors: 3-phase, A.C.	Power Speed	of	0.0 mn	tter 24; n/st	0.048; roke. 2.8 1440	0.096 KW. rpm.
Motors: 3-phase, A.C. Main drive motor: Motor for rapid revolving of table:	Power Speed Power	of	0.0 mn	tter 24; n/st	2.8 1440 0.5	0.096 KW. rpm. KW.
Motors: 3-phase, A.C. Main drive motor:	Power Speed Power Speed	of	0.0 mn	tter 24; n/st	2.8 1440 0.5 1410	0.096 KW. rpm. KW. rpm.
Motors: 3-phase, A.C. Main drive motor: Motor for rapid revolving of table: Coolant pump:	Power Speed Power Speed Power Speed	of	0.0 mm	24; 24; n/st	2.8 1440 0.5 1410 0.125 2800	0.096 KW. rpm. KW. rpm. KW. rpm.
Motors: 3-phase, A.C. Main drive motor: Motor for rapid revolving of table: Coolant pump:	Power Speed Power Speed Power Speed	of	0.0 mm	24; 24; n/st	2.8 1440 0.5 1410 0.125 2800	0.096 KW. rpm. KW. rpm. KW. rpm.
Motors: 3-phase, A.C. Main drive motor: Motor for rapid revolving of table:	Power Speed Power Speed Power Speed	of	0.0 mm	24; 24; n/st	2.8 1440 0.5 1410 0.125 2800 x 2060	0.096 KW. rpm. KW. rpm. KW. rpm. mm.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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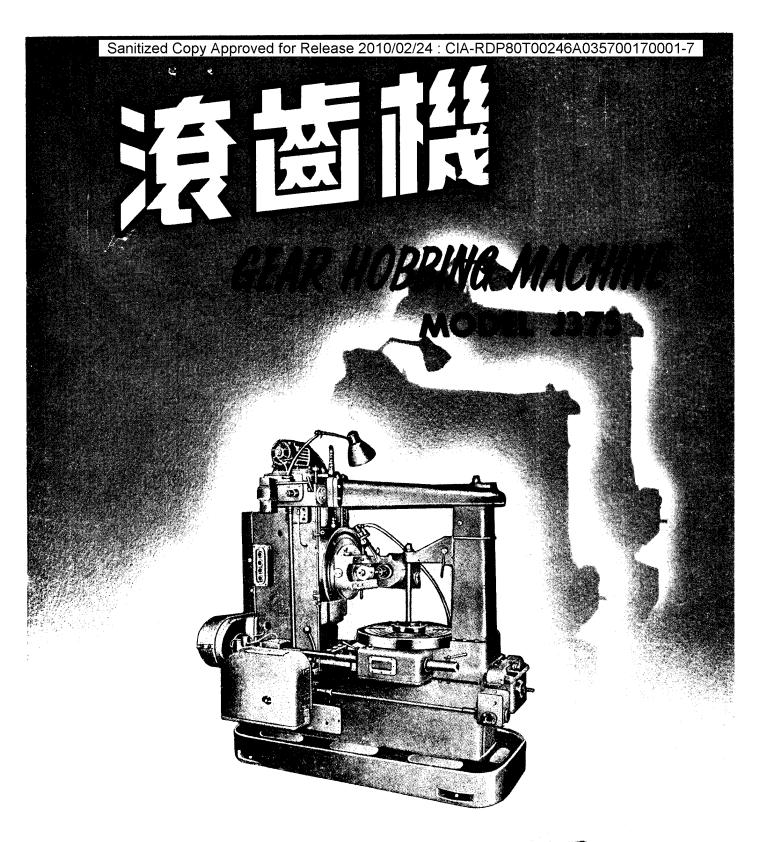
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中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA CABLE ADD: "MACHIMPORT" PEKING

GEAR HOBBING MACHINE

MODEL J375

This machine is suitable for hobbing the spur, helical gears, and worm wheels. It is fitted with hob for cutting operations on the generating principle.

Speeds of cutter spindle, feeds of cutter or working table, continuous indexing of gear train, and the differential mechanism are all regulated through the change gears.

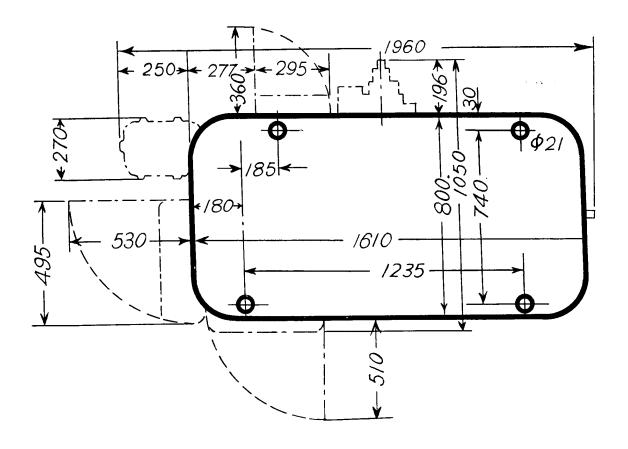
The spindle can revolve either in normal or reversed direction.

The feeds of the tool slide and the working table can be operated by hand.

The machine can be employed for cutting of internal gears by using a special attachment. Two electric meters are provided for this machine.

Max. module: Normal cutting Low speed cutting Max. outside diameter of spur gear Max. outside diameter of helical gear: At angle 30° At angle 60° Max. height to be cut Distance between centre lines of the working table and cutter: 30 mm. Distance between surface of the working table to the cutter spinale centre line: ... 418 mm. Diameter of working table 580 mm. ${\sf Max.\ traverse\ of\ working\ table\ (hand)...\ ...\ ...\ ...\ ...}$ 450 mm. Max. size of the hob (Dia. \times L)... 120 x 130 mm. Max. vertical movement of tool slide (power or manual) Distance between center-line of cutter to guide of tool slide 218 mm. Max. swivel angle of tool slide 360° Taper in spindle bore Morse No. 4

Cutter spindle speed		 	•••	47, 58, 72, 87, 100, 122, 150 rpm.
Feed per revolution of working table:				
НоЬ		 		O.25-4 mm.
Working table		 		0.105-1.68 mm.
Motors: 3-phase, A.C.				
for main drive:	Power	 		3.2 KW.
	Speed	 		1440 rpm.
for rapid traverse of tool slide:	Power	 		ı KW.
	Speed	 		1410 rpm.
for coolant pump:	Power	 		0.125 KW.
	Speed	 		2800 rpm.
Overall dimension $(L \times W \times H)$		 		1885 x 1160 x 1950 mm.
Net weight		 		2500 kg.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

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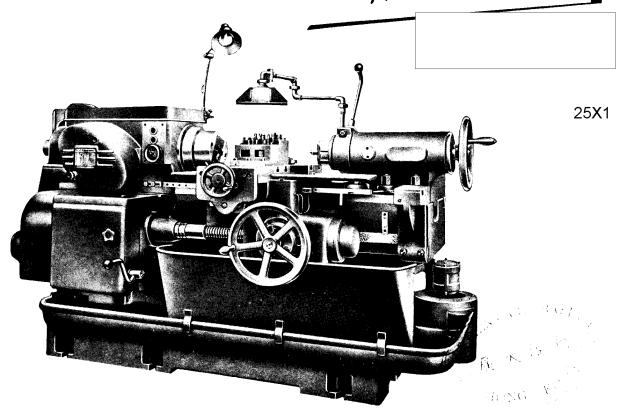
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多刀半自動車床 Multi-Cutter Semi-Automatic Lathe

Model: C 720

25X1

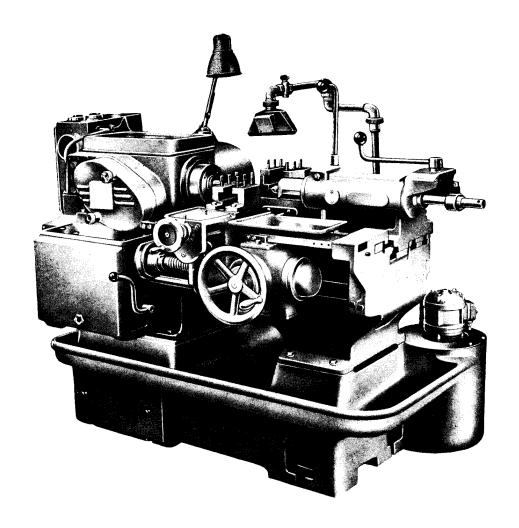


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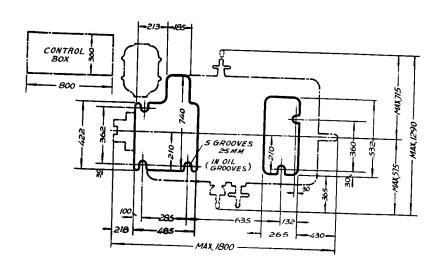
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ER-LI-KOW, HSI-CHIAO, PEKING, CHINA CABLE ADDRESS: "MACHIMPORT" PEKING

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Model C720



MULTI-CUTTER SEMI-AUTOMATIC LATHE

Model C720

The machine is suitable for machining external and end surfaces of workpieces such as stepped sleeves, pistons, gear blanks, etc., in lot and mass production.

Profile and taper turning may be effected by utilizing templates.

The machine is equipped with a front tool post (for longitudinal feed) and a rear tool post (for cross feed)

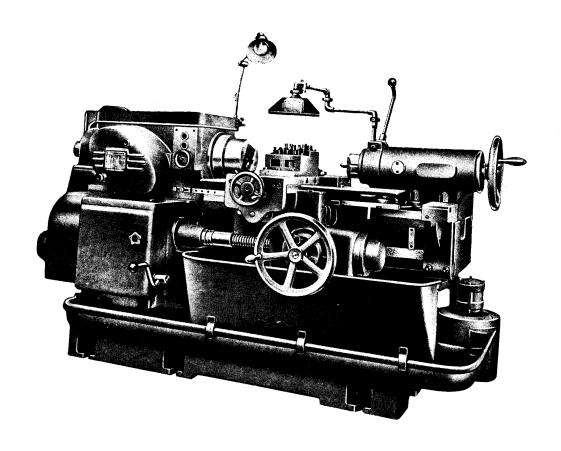
Changes of spindle speeds, longitudinal feeds of front tool post, and cross feeds of rear tool post are obtained through the change gears.

The machine is provided with an interlocking arrangement, which stops the machine automatically at the end of working cycle.

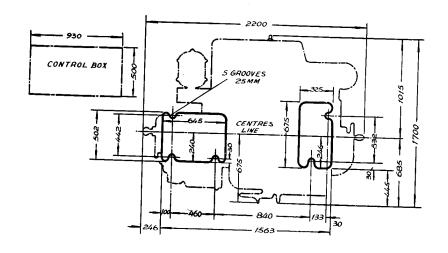
Workpieces are loaded and unloaded by hand.

The machine is operated by a single level control.

									150	mm.
Centre height		• • •	•••	•••	• • •	• • •	• • •	• • • •	130	111111.
Distance between centres:									0	mm.
Minimum						•••	• • •	• • •	-	
Maximum								•••		mm.
Max. distance, spindle nose (φ 120 m	nm) to	tailst	ock	cent	re		• • •	• • •	325	mm.
Max. diameter to be turned:										
Bar material			٠	• • •		• • •	• • •			mm.
Swing over carriage					• • •		• • •	• • •		mm.
Swing over bed								• • •	300	mm.
Max. length to be turned (with 2 pc	s. of cu	itters):							
Using compound tool post			• • •				• • •	• • •		mm.
Using single tool post									260	mm.
Max. longitudinal travel of front tool	post:									
Compound cutting: Power (work	king)								100	mm.
Manual (ad									200	mm.
Single cutting: Power (wor	king)								150	mm.
									250	mm.
Manual (adjusting) 250 mm. Max. cross travel of rear tool post:										
Power (wor	king)								90	mm.
Manual (ad									155	mm.
Max. travel of centre sleeve in tailsto									120	mm.
	JCR	•••		•••	•••	10				
Spindle speeds	•••		•••	•••	• • • •				12; 532;	
							•	000; r		000,
Longitudinal feeds of front tool post p			of a	nind	ماا		•		•	
Longitudinal feeds of front tool post p	er revo.	ution	OI S	spine	IIC.	0.07	, 0.1 . 0.4		72; 1.02	mm
								-		12
No. of cross feeds per longitudinal for	eed			···	···	٠٠٠	•••		10 2 51	
Range of cross feeds of rear tool pos	st per i	evoit	ttion	or	spin	ale	•••	0.0	119-2.31	ши.
Motors: 3-phase, A. C.									- ^	
for main drive:						• • • •				KW.
		peed		• • •	• • •	• • • •	• • •	•••	1450	-
for coolant pump:	Pe	ower	• • •		•••			• • •		KW.
	$\mathbf{S}_{\mathbf{I}}$	peed		• • •				•••	2800	rpm.
Overall dimension $(L \times W \times H)$							1800	×129	0×1340	mm.
Net weight								180	0 kg. ap	prox.



Model C730



MULTI-CUTTER SEMI-AUTOMATIC LATHE Model C730

This machine is suitable for turning plain and external cylindrical surfaces of workpieces (such as stepped sleeves, pistons, gear blanks, etc.), clamped either between centres or by chuck in large scale as well as in mass production.

When equipped with template, it can also be used for profile and taper turning.

The machine is provided with a front tool slide (for longitudinal feed) and a rear tool slide (for cross feed).

The longitudinal feed of front tool slide, the cross feed of rear tool slide, and the spindle speed are controlled by means of the change gears.

The machine is equipped with an automatic interlock. It stops automatically after the working cycle is completed.

Workpieces are loaded and unloaded manually.

The machine is operated by means of a single hand lever.

Distance between centres: Max. 500 mm. Max. 200 mm. Min. 200 mm. Max. distance between spindle nose (dia, 185 mm.) and centre of tailstock 580 mm. Max. diameter to be turned: 300 mm. Dia, of bar material 48 mm. Over tool post 300 mm. Over bed 410 mm. Max. length of workpiece to be turned (with two pieces of tools) 460 mm. Max. length of workpiece to be turned (with two pieces of tools) 250 mm. Max. longitudinal travel of front tool slide: 250 mm. Power (working) 325 mm. Max. cross travel of rear tool slide: 325 mm. Power (working) 135 mm. Manual (adjusting) 225 mm. Max. travel of centre sleeve of tailstock 165 mm. Spindle speed 40; 52; 65; 84; 107; Longitudinal feed of front tool slide 0,12; 0,17; 0,23; 0,34; Open (cross feeds per longitudinal feed 12 Range of cross feed by rear tool slide 0,12; 0,17; 0,23; 0,34; Motors, A.C., 3 phase Power 1 KW. Speed	Height of centres									•••			200	mm.
Max. 200 mm. Min. 200 mm. Max. distance between spindle nose (dia. 185 mm.) and centre of tailstock. 580 mm. Max. diameter to be turned: 48 mm. Dia. of bar material 48 mm. Over tool post 300 mm. Over bed 410 mm. Max. length of workpiece to be turned (with two pieces of tools) 460 mm. Max. longitudinal travel of front tool slide:														
Min. 580 mm. Max. distance between spindle nose (dia, 185 mm.) and centre of tailstock 580 mm. Max. diameter to be turned: 300 mm. Dia, of bar material 48 mm. Over tool post 300 mm. Over tool post 410 mm. Max. length of workpiece to be turned (with two pieces of tools) 460 mm. Max. longitudinal travel of front tool slide: Power (working) 250 mm. Max. longitudinal travel of front tool slide: Power (working) 325 mm. Max. cross travel of rear tool slide: Power (working) 135 mm. Max. travel of centre sleeve of tailstock 165 mm. Spindle speed 40; 52; 65; 84; 107; 129; 155; 187; 240; 310; 388; 500 rpm. Longitudinal feed of front tool slide 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Number of cross feeds per longitudinal feed 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Motors, A.C., 3 phase for Main drive: Power 10 KW. Speed 1455 rpm. for Rapid traverse of tool slide: Power 1 KW. Speed 1425 rpm. for Coolant pump: Power 0.15 KW. Speed 2800 rpm.	Max										• • •		500	mm.
(dia, 185 mm.) and centre of tailstock 580 mm. Max. diameter to be turned: 48 mm. Dia, of bar material 48 mm. Over tool post 300 mm. Over bed 410 mm. Max. length of workpiece to be turned 460 mm. (with two pieces of tools) 460 mm. Max. longitudinal travel of front tool slide: 250 mm. Power (working) 325 mm. Manual (adjusting) 225 mm. Max. cross travel of rear tool slide: 135 mm. Power (working) 135 mm. Max. travel of centre sleeve of tailstock 165 mm. Spindle speed 40; 52; 65; 84; 107; 129; 155; 187; 240; 310; 388; 500 rpm. Longitudinal feed of front tool slide 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Number of cross feeds per longitudinal feed 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Motors, A.C., 3 phase 70 for Main drive: Power 10 KW. Speed 1455 rpm. for Rapid traverse of tool slide: Power 1 KW. Speed 1425 rpm. for Coolant pump: Power 0.15 KW. Speed </td <td>Min</td> <td> </td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>• • •</td> <td></td> <td>200</td> <td>mm.</td>	Min			,							• • •		200	mm.
(dia, 185 mm.) and centre of tailstock 580 mm. Max. diameter to be turned: 48 mm. Dia, of bar material 48 mm. Over tool post 300 mm. Over bed 410 mm. Max. length of workpiece to be turned 460 mm. (with two pieces of tools) 460 mm. Max. longitudinal travel of front tool slide: 250 mm. Power (working) 325 mm. Manual (adjusting) 225 mm. Max. cross travel of rear tool slide: 135 mm. Power (working) 135 mm. Max. travel of centre sleeve of tailstock 165 mm. Spindle speed 40; 52; 65; 84; 107; 129; 155; 187; 240; 310; 388; 500 rpm. Longitudinal feed of front tool slide 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Number of cross feeds per longitudinal feed 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Motors, A.C., 3 phase 70 for Main drive: Power 10 KW. Speed 1455 rpm. for Rapid traverse of tool slide: Power 1 KW. Speed 1425 rpm. for Coolant pump: Power 0.15 KW. Speed </td <td>Max. distance between s</td> <td>pindle n</td> <td>ose</td> <td></td>	Max. distance between s	pindle n	ose											
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Over tool post														
Over bed	Dia. of bar materia								• • •	• • • •	• • •		48	mm.
Over bed 410 mm. Max. length of workpiece to be turned (with two pieces of tools) 460 mm. Max. longitudinal travel of front tool slide: Power (working) 250 mm. Manual (adjusting) 325 mm. Max. cross travel of rear tool slide: Power (working) 135 mm. Manual (adjusting) 225 mm. Max. travel of centre sleeve of tailstock 165 mm. Spindle speed 40; 52; 65; 84; 107; 129; 155; 187; 240; 310; 388; 500 rpm. Longitudinal feed of front tool slide 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Number of cross feeds per longitudinal feed 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Motors, A.C., 3 phase for Main drive: Power 10 KW. Speed 1455 rpm. for Rapid traverse of tool slide: Power 1 KW. Speed 1425 rpm. for Coolant pump: Power 0.15 KW. Speed 2800 rpm. Overall dimension (L×W×H) 2200 × 1700 × 1420 mm.	Over tool post								• • •		• • •		300	mm.
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(with two pieces of tools) 250 mm. Max. longitudinal travel of front tool slide: 250 mm. Power (working) 325 mm. Max. cross travel of rear tool slide: 225 mm. Power (working) 135 mm. Manual (adjusting) 225 mm. Max. travel of centre sleeve of tailstock 165 mm. Spindle speed 40; 52; 65; 84; 107; 129; 155; 187; 240; 310; 388; 500 rpm. Longitudinal feed of front tool slide 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Number of cross feeds per longitudinal feed 0.16-2.37 mm/rev. Number of cross feed by rear tool slide 0.16-2.37 mm/rev. Motors, A.C., 3 phase for Main drive: Power 10 KW. Speed 1455 rpm. for Rapid traverse of tool slide: Power 1 KW. Speed 1425 rpm. for Coolant pump: Power 0.15 KW. Speed 2800 rpm. Overall dimension (L×W×H) 2200 × 1700 × 1420 mm.	Max. length of workpie	ce to be	e turn	ed										
Power (working) 250 mm. Manual (adjusting) 325 mm. Max. cross travel of rear tool slide: 135 mm. Power (working) 135 mm. Manual (adjusting) 225 mm. Max. travel of centre sleeve of tailstock 165 mm. Spindle speed 40; 52; 65; 84; 107; 129; 155; 187; 240; 310; 388; 500 rpm. Longitudinal feed of front tool slide 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Number of cross feeds per longitudinal feed 12 Range of cross feed by rear tool slide 0.16-2.37 mm/rev. Motors, A.C., 3 phase for Main drive: Power 10 KW. Speed 1455 rpm. for Rapid traverse of tool slide: Power 1 KW. Speed 1425 rpm. for Coolant pump: Power 0.15 KW. Speed 2800 rpm. Overall dimension (L×W×H) 2200 × 1700 × 1420 mm.	(with two pieces of	tools)										•••	460	mm.
Manual (adjusting) 325 mm. Max. cross travel of rear tool slide: 135 mm. Power (working) 225 mm. Manual (adjusting) 165 mm. Max. travel of centre sleeve of tailstock 165 mm. Spindle speed 40; 52; 65; 84; 107; 129; 155; 187; 240; 310; 388; 500 rpm. Longitudinal feed of front tool slide 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Number of cross feeds per longitudinal feed 0.16-2.37 mm/rev. Motors, A.C., 3 phase for Main drive: Power 10 KW. Speed 1455 rpm. for Rapid traverse of tool slide: Power 1 KW. Speed 1425 rpm. for Coolant pump: Power 0.15 KW. Speed 2800 rpm. Overall dimension (L×W×H) 2200×1700×1420 mm.														
Max. cross travel of rear tool slide: 135 mm. Power (working) 225 mm. Manual (adjusting) 165 mm. Max. travel of centre sleeve of tailstock 165 mm. Spindle speed 40; 52; 65; 84; 107; 129; 155; 187; 240; 310; 388; 500 rpm. Longitudinal feed of front tool slide 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Number of cross feeds per longitudinal feed 0.16-2.37 mm/rev. Motors, A.C., 3 phase 0.16-2.37 mm/rev. for Main drive: Power 10 KW. Speed 1455 rpm. for Rapid traverse of tool slide: Power 1 KW. Speed 1425 rpm. for Coolant pump: Power 0.15 KW. Speed 2800 rpm. Overall dimension (L×W×H) 2200×1700×1420 mm.	Power (working)		• • • •						•••	•••	•••	• • •		
Power (working) 135 mm. Manual (adjusting) 225 mm. Max. travel of centre sleeve of tailstock 165 mm. Spindle speed 40; 52; 65; 84; 107; 129; 155; 187; 240; 310; 388; 500 rpm. Longitudinal feed of front tool slide 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Number of cross feeds per longitudinal feed 0.16-2.37 mm/rev. Motors, A.C., 3 phase For Main drive: Power 10 KW. Speed 1455 rpm. 1 KW. Speed 1425 rpm. 1 KW. Speed 1420 rpm. 1 KW. 1 KW	Manual (adjusting)			• • •						• • •	• • •	• • •	325	mm.
Manual (adjusting)														
Max. travel of centre sleeve of tailstock 165 mm. Spindle speed 40; 52; 65; 84; 107; 129; 155; 187; 240; 310; 388; 500 rpm. Longitudinal feed of front tool slide 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. Number of cross feeds per longitudinal feed 0.49; 0.71; 0.97 1.38 mm/rev. Numbers, A.C., 3 phase for Main drive: Power 0.16-2.37 mm/rev. Motors, A.C., 3 phase for Main drive: Power 1455 rpm. for Rapid traverse of tool slide: Power 1 KW. Speed 1425 rpm. for Coolant pump: Power 0.15 KW. Speed 2800 rpm. Overall dimension (L×W×H) 2200×1700×1420 mm.	Power (working)											•••		
Spindle speed												• • •		
129; 155; 187; 240; 310; 388; 500 rpm. 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. 12 Number of cross feeds per longitudinal feed 0.16-2.37 mm/rev. 12 Range of cross feed by rear tool slide 0.16-2.37 mm/rev. 10 KW. Speed 1455 rpm. 1455 rpm. 15 15 15 15 15 15 15 1	Max. travel of centre s	leeve of	tailst	ock						• • •	• • •			
Speed Spee	Spindle speed			• • •		• • •	• • • •	• • •	· · ·		40	; 52; 65	; 84;	107;
Longitudinal feed of front tool slide												, ,		
Number of cross feeds per longitudinal feed												, ,		
Number of cross feeds per longitudinal feed	Longitudinal feed of fr	ont tool	slide					• •	• • •	• • •	0.12	; 0.17;	0.23;	0.34;
Number of cross feeds per longitudinal feed 12 Range of cross feed by rear tool slide 0.16-2.37 mm/rev. Motors, A.C., 3 phase Power 10 KW. For Main drive: Speed 1455 rpm. for Rapid traverse of tool slide: Power 1 KW. Speed 1425 rpm. for Coolant pump: Power 0.15 KW. Speed 2800 rpm. Overall dimension (L×W×H) 2200×1700×1420 mm.											0.49	; 0.71;	0.97	1.38
Range of cross feed by rear tool slide														
Motors, A.C., 3 phase Power 10 KW. for Main drive: Speed 1455 rpm. for Rapid traverse of tool slide: Power 1 KW. Speed 1425 rpm. for Coolant pump: Power 0.15 KW. Speed 2800 rpm. Overall dimension (L×W×H) 2200×1700×1420 mm.	Number of cross feeds	per lon	gitudi	nal	feed		• • •		• • •	• • •	•••		_	
for Main drive: Power 10 KW. Speed 1455 rpm. for Rapid traverse of tool slide: Power 1 KW. Speed 1425 rpm. for Coolant pump: Power 0.15 KW. Speed 2800 rpm. Overall dimension (L×W×H) 2200×1700×1420 mm.		rear to	ol slic	le	• • •				• • •		• •	0.16-2.3	7 mm	n/rev.
Speed Spee	Motors, A.C., 3 phase													
for Rapid traverse of tool slide: Power 1 KW. Speed 1425 rpm. for Coolant pump: Power 0.15 KW. Speed 2800 rpm. Overall dimension (L×W×H) 2200×1700×1420 mm.	for Main drive:					Po	wer	• • •	• • •			•••		
Speed 1425 rpm.														•
for Coolant pump: Power 0.15 KW. Speed 2800 rpm. Overall dimension (L×W×H)	for Rapid traverse	of tool	slide			Po	wer				• • •	• • •		
Speed 2800 rpm. Overall dimension (L×W×H)						•					• • •			•
Overall dimension (L \times W \times H)	for Coolant pump:	:												
2000 1						$\mathbf{S}_{\mathbf{I}}$	peed	•••						
Net weight	Overall dimension (L×	$(\mathbf{W} \times \mathbf{H})$												
	Net weight			•••	•••	· • •	•••		• • •	• • •	•••	3000	kg. ap	oprox.

	**	
		25X1

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BRANCHES

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SHANGHAI OFFICE: 27 Chung Shan Road E I

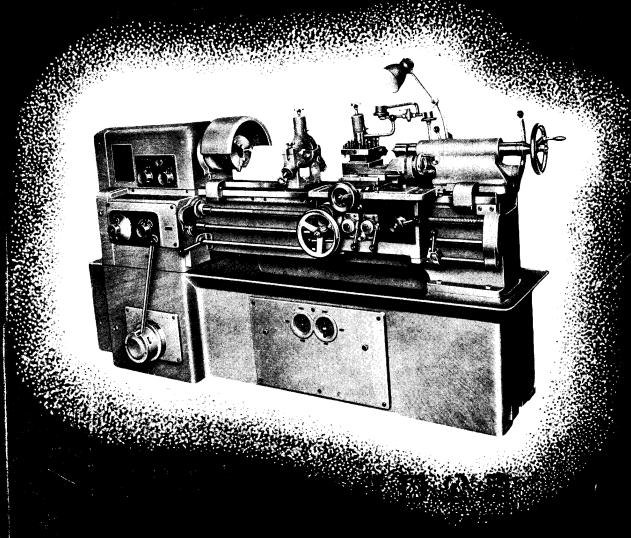
Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton

Cable Address: MACHINERY Canton

普通車床 GEARED HEAD LATHE

Model C616



GEARED HEAD LATHE

Model C616

This machine is suitable for general lathe work and thread-cutting of different types of threads in Metric, Whitworth, Module, and Diametral pitches. It is also suitable for turning different kinds of workpieces held between centres and by chuck.

The outstanding features of this machine are its rugged construction, higher spindle speed, and simple operation.

The speed of spindle is controlled by means of the headstock gears housed in the machine base and the backgears of headstock; feeding and thread-cutting are adjusted by means of the feed gear box and change gears.

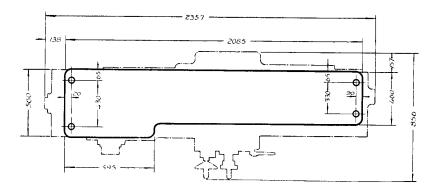
An interlock is provided to prevent simultaneous engagement of lead screw and feed rod.

The machine is fitted with protective unit for safety during high speed operation.

Accessories attached with the machine:—face plate, 3-jaw chuck, centre rest, follow rest, centres, etc.

Centre height	160 mm.
Distance between centres	750 mm.
Max. diameter to be turned:	
Swing over cross slide	175 mm.
Swing over bed ways	320 mm.
Thread cutting:	
Metric, pitch	0.5-9 mm.
Whitworth threads	38-2 t.p.i.
Module	0.5-9
Max. travel of carriage	
(by power and manual):	
Longitudinal	850 mm.
Cross	210 mm.

Distance	from tool	botte	om	to (cent	re l	ine	of						
spind	dle		•										20	mm
Max. dist	tance, face	e of t	ool	hol	lder	to	cen	itre						
line				•									185	mm
Max. size	e of tool	(W x)	H)										25×20	mm
Dia. of h	ole in sp	indle		•									30	mm
	ole in spir													Vo. 5
Taper ho	ole of cen	tre sle	eeve	in	tail	stoc	k					•	Morse 1	No. 4
Max. trav	verse of c	entre	slee	eve	in	tails	tocl	k					95	mm
Max. cro	ss travers	e of t	ailst	ock									± 10	mm
No. of sp	pindle spe	eds (f	orw	ard	an	d re	ever	se)						12
Range of	spindle s	speed										. 44	4 - 1980	rpm.
No. of fee	eds of carı	riage,	long	gitu	dina	l ar	ıd c	ros	s					140
Range of	feed of ca	ırriage	pei	: re	volu	tior	ı of	sp	in	dle :				
	gitudinal											0.0	06-3.36	mm.
Cross													14-2.46	
Motors, A	A.C., 3 pl	hase.												
For	main driv	e:												
	Power												43	KW.
	Speed										•		1450	
For	coolant p													_1
	Power	amp.											0.1	KW.
	Speed												2800	
Overall d	limension													-
Net weig) kg.
O		-	•	- '	•	•	•	•	•	•	•	•	100	J ng.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)

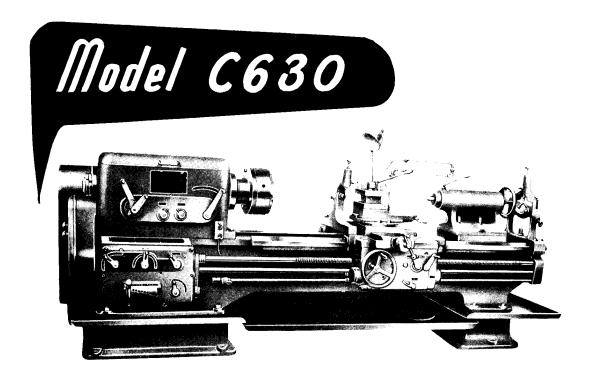
Cable Address: MACHIMPORT Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road E1

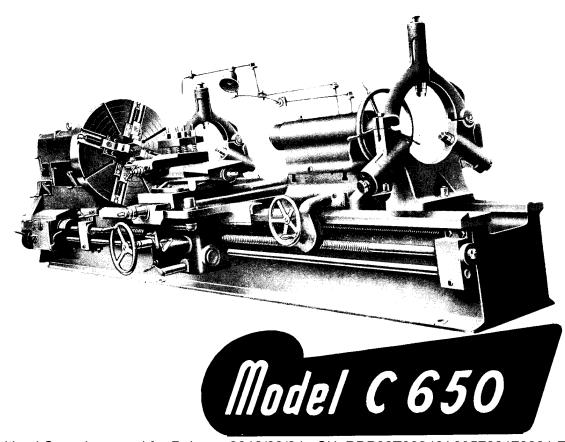
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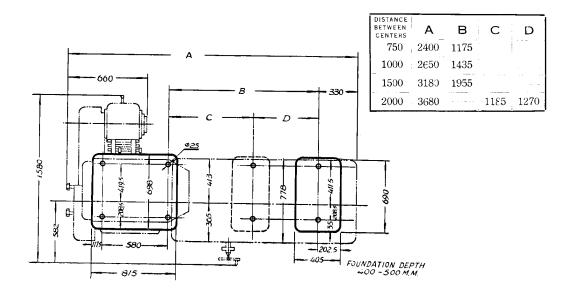


GEARED HEAD LATHE



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Taper of tailstock centre sleeve Morse No. 4
No. of spindle speeds:
Forward
Reverse
Range of spindle speed:
Forward
Reverse
No. of feeds, longitudinal and cross
Range of feeds per revolution of spindle:
Longitudinal 0.08-1.59 mm.
Cross 0.027–0.52 mm.
Motors (3-phase, A.C.).
For main drive:
Power 7 KW.
Speed
For coolant pump:
Power 0.125 KW.
Speed
Overall dimensions:
Length 2400; 2650; 3180; 3680 mm.
Width 1580 mm.
Height
Net weight, approx 1930; 2010; 2100; 2280 kg.



GEARED HEAD LATHE

MODEL C620-I

This machine is suitable for turning and thread-cutting in Metric, Whitworth, Module, and Diametral pitches of workpieces held between centres or by chuck. Its advantages are: big capacity and high spindle speed. It is, therefore, capable of high speed turning with carbide tipped tools.

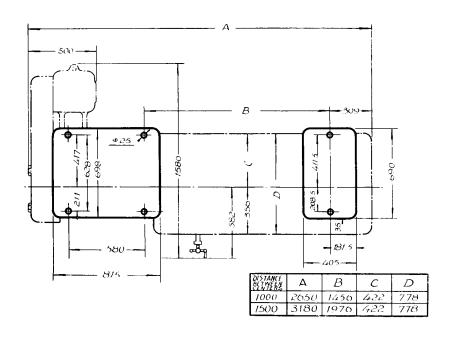
Change of spindle speed is obtained through headstock gears; feeds and thread-cuttings are controlled by means of feed gear box and pick-off gears.

An attachment for interlocking lead screw and feed rod is provided in the feeding mechanism. The longitudinal travel of carriage, which is driven by the feed rod, may be stopped automatically by the limit stop.

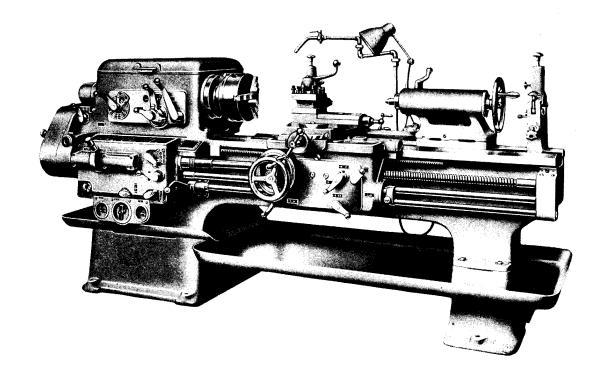
Accessories attached to the machine: face plate, 3-jaw chuck, centre rest, follow rest, centres, etc.

Height of centres	
Max. diameter to be turned:	
Round bar	m.
Swing over carriage	
Swing over bed	m.
Max. length to be turned (according to distance	
between centres) 650, 900, 1400, 1900 mi	m.
Threads that can be cut:	
Metric pitch 1–192 mm	m.
Whitworth, thread per inch	-2
Module	48
Diametral pitch	-7
Maximum travel of carriage (by manual and power)	
Longitudinal 650, 900, 1400, 1900 mm	m.
Cross	m.
Distance from tool bottom to centre line of	
spindle	m.
Max. swivel of tool post $\dots \dots \dots$	15°
Dia. of spindle bore	m.
Taper of spindle bore Morse No.	
Max. traverse of centre sleeve tailstock 150 mm	m.
Max. tailstock set over ± 15 mm	m,

Dia. of spindle bore											
Taper of spindle bore Morse No. 5											
Taper of hole of centre sleeve Morse No. 4											
Max. travel of centre sleeve											
Max. cross travel of tailstock $\dots \dots \dots$											
Number of spindle speeds:											
Forward											
Reverse											
Range of spindle speed:											
Forward											
Reverse											
Number of longitudinal and cross feeds of carriage 35											
Range of feed of carriage per revolution of spindle:											
Longitudinal 0.082–1.59 mm.											
Cross											
Motor: 3-phase, A.C.											
Power											
Speed											
Overall dimension (L x W x H) 2650; 3180x1580x1220 mm.											
Net weight											



Geared Head Lathe



25X1

中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

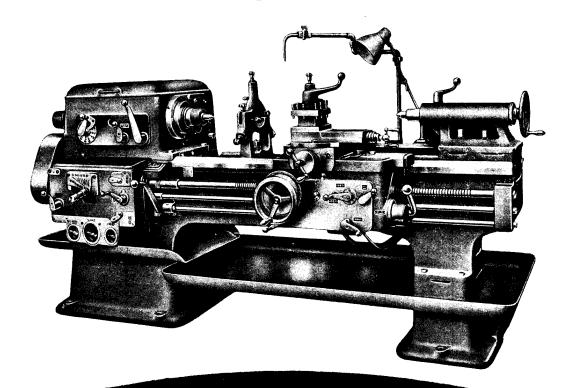
(IMPORT — EXPORT)

ER-LI-KOW, HSI-CHIAO, PEKING, CHINA

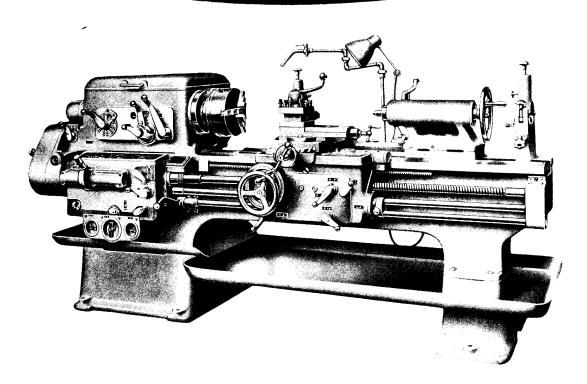
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25X1

MODEL C620



GEARED HEAD LATHE



MODEL C620-1

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GEARED HEAD LATHE

MODEL C620

This machine is suitable for turning and threading workpieces held between centres and by chuck. It is driven by an individual motor.

Change of spindle speed is obtained through headstock gears; feeds and thread cutting are controlled by quick change gear box.

The spindle is capable of forward and reverse rotation and is equipped with mechanical brake. The feed mechanism is provided with a safety device against overload.

The longitudinal feed, when working from the feed rod, can be tripped automatically by means of an adjustable stop.

An interlock is provided to prevent the simultaneous engagements of leadscrew and feed rod.

Height of centres
Distance between centres 1000; 1500 mm.
Max. diameter to be turned:
Bar material
Swing over carriage
Swing over bed
Max. length to be turned 900; 1400 mm.
Thread cutting:
Metric pitch
Whitworth threads per inch
Module
Diametral pitch
Max. travel of carriage (by power or manual):
Longitudinal 900; 1400 mm.
Cross
Height from tool bottom to centre line 23 mm.
Max. travel of tool post 100 mm.
Max. swivel of tool post ± 45°

GEARED HEAD LATHE

MODEL C630

This machine is suitable for turning and thread-cutting workpieces held by chuck or between centres. It is driven by an individual motor.

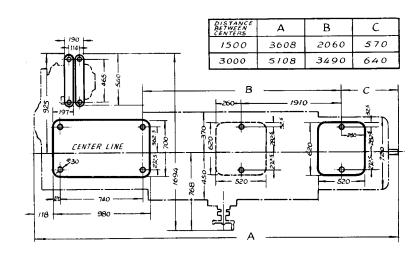
Change of spindle speed is obtained through the use of headstock gears; feeds and thread-cuttings are controlled by means of feed gear box and change box respectively.

The spindle is capable of forward and reverse rotation and is equipped with mechanical brake. The feed mechanism is provided with a safety device against overload. The longitudinal feed, when working from the feed rod, can be tripped automatically by means of an adjustable stop. The split nut (half nut) is interlocked with the lever for controlling the longitudinal and cross feeds.

Accessories attached to the machine:—face plate, 3-jaw chuck, follow rest, centre rest, centres, etc.

Height of centres		. 300 mm.
Distance between centres		1500, 3000 mm
Max. diameter to be turned:		
Round bar		
(passing through the spindle bore)		. 68 mm.
Swing over carriage		. 345 mm.
Swing over bed		
Max. length to be turned		
Threads that can be cut:		
Metric pitch		. 1-224 mm.
Whitworth threads per inch		. 28 - 2
Module		. 0.25 - 56
Max. traverse of the carriage:		
Longitudinal:		
Power		1310, 2810 mm.
Manual		
Cross: (by power or manual)		

Distance from tool bottom to spindle centre line	32.5 mm.
Max. traverse of tool post	. 200 mm.
Max. swivel of tool post	± 60°
Dia. of hole in spindle	70 mm.
Taper hole in spindle	Metric 80
Taper hole of sleeve in spindle	Morse No. 5
Taper hole of centre sleeve in tailstock	
Max. traverse of the centre sleeve	
Max. tailstock set over	\pm 15 mm.
No. of spindle speeds	. 18
Range of spindle speed:	
Forward	. 14-750 rpm.
Reverse	
No. of longitudinal and cross feeds	. 26
Range of feed per revolution of spindle:	
Longitudinal	0.15 - 2.65 mm.
Cross	0.05 - 0.9 mm.
Motors: 3-phase, A.C.	
For main drive:	
Power	. 10 KW.
Speed	. 1455 rpm.
For coolant pump:	
Power	. 0.125 KW.
Speed	$. \qquad 2700 \ \mathrm{rpm}.$
	205 1055
Overall dimension (L x W x H) 3608 x 1	
	695 x 1275 mm.
Net weight approx	. 3450 kg.
	3920 kg.



GEARED HEAD LATHE MODEL C650

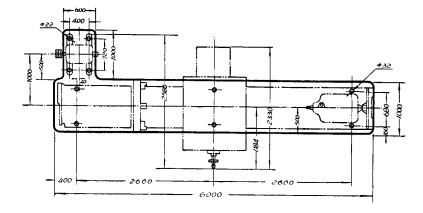
This machine is suitable for turning large workpieces held between centres or by chuck.

Twelve spindle speeds are obtainable through the gear box. The feed box having twenty-four different feeds is capable of cutting Metric, Whitworth, and Module threads.

Drop-down worm mechanism protects the machine from overload. The tailstock may be adjusted along the bed by means of hand wheel through rack.

Accessories attached to the machine:4-jaw chuck, centre rest, follow rest, centres, etc.

Height of centres . Distance between centres		•					mm. mm.
Max. working diameter:						CAE	
Swing over tool post		•			•		mm.
Swing over carriage		•	٠	•	•		mm.
Swing over bed .						1020	
Bar material (passing	through	ı spi	ndle	bore)		97	mm.
Max. working length .						2250	mm,
No. of feeds		•				24	
Range of feed per revolut	tion of s	pind	e:				
Longitudinal					0.225	5-3.15	mm.
Cross					0.114	1-1.6	mm.
Threads that can be cut:							
Metric pitch						1-224	mm.
Whitworth threads pe						28-2	
Module					0.2	5-56	
No. of spindle speeds .	•			_	12	2	
Range of spindle speed.						5 1 94	rnm
Motors: 3-phase, A.C.							- I
for main drive:	Power					20	KW.
7-1	Speed	•	•	•		1450	
C1	-	•	•	•			-
for coolant pump:		•	٠	•		0.15	
	Speed	•	•	•		27 00	rpm.
Overall dimension (LxW	$(\mathbf{x} \mathbf{H})$			6000x	2580	x1620	mm.
Net weight	•			10	500	kg. ap	prox.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)

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SHANGHAI OFFICE: 27 Chung Shan Road E1

Cable Address: MACHIMPORT Shanghai

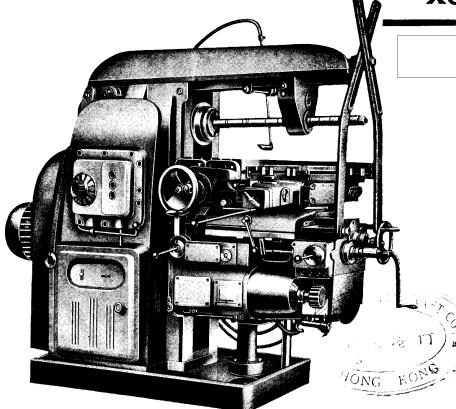
CANTON OFFICE: No. 2, West Bund Road, Canton

Cable Address: MACHINERY Canton

Universal Milling Machine

X62 W

25X1



25X1

25X1

中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT - EXPORT)

ER-LI-KOW, HSI-CHIAO, PEKING, CHINA

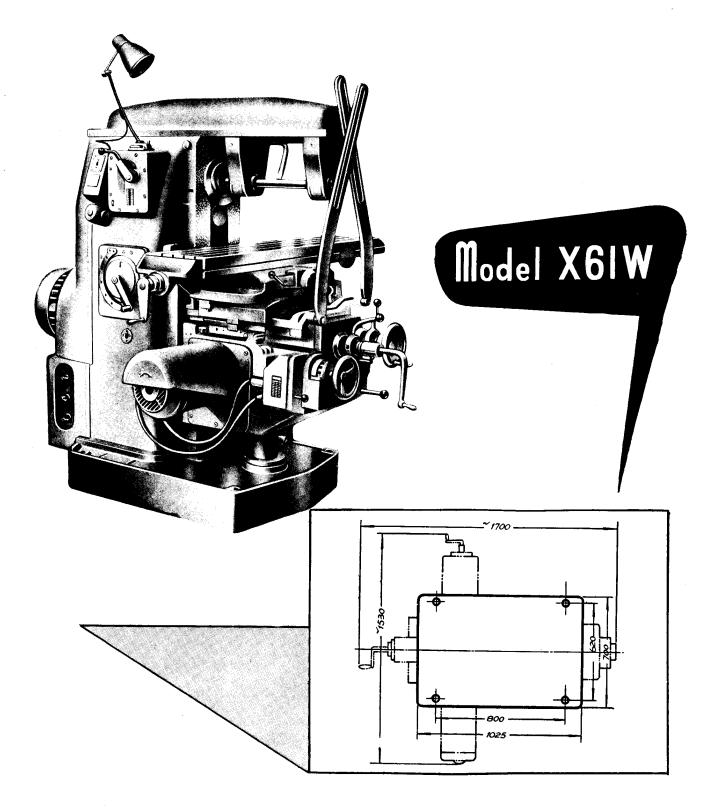
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25X1

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Universal Milling Machine



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UNIVERSAL MILING MACHINE

Model × 61W

This machine is designed for milling various workpieces, using cylindrical cutters, disc cutters, angle cutters, or forming cutters.

The employment of the universal dividing head increases the variety of work that may be assigned to the machine including spur, helical gears, and helixes.

The spindle and the table are driven by individual motors.

The table can make normal and rapid traverse in all three directions (longitudinal, cross, and vertical).

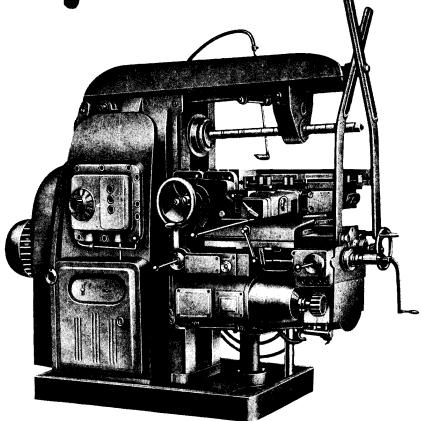
The working table operates in an automatic cycle, continuous or intermittent, to the longitudinal movement of the table.

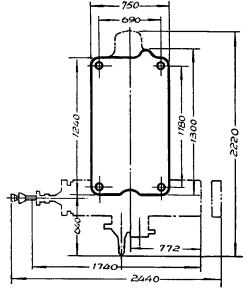
The normal movement of table is driven by mechanical system controlled by a hand lever.

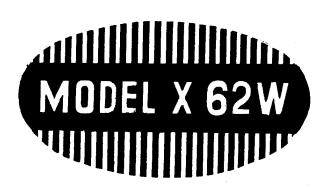
The machine, being equipped with ample power and rigid construction, is capable of high speed cutting.

Distance between centre of spino	ile											
and table:												
Minimum									0 mm.			
Maximum							• • •		350 mm.			
Distance between centre of spindle												
and overarm									150 mm.			
Working surface of table (I.												
Max. table travel:												
Longitudinal									650 mm.			
Cross									200 mm.			
Vertical									350 mm.			
Table swivel (max.)												
Number of spindle speeds												
Range of spindle speed												
Number of longitudinal, cross ar												
vertical feeds:									16 each			
Range of feeds:												
Longitudinal								27-815	mm/min.			
Cross					• • •			20-630	mm/min.			
Vertical								10-310	mm/min.			
Motors:- 3-phase, A.C.												
Power						• • • •			3.2 KW.			
									1.0 KW.			
									0.1 KW.			
Overall dimension $(I \times W \times H)$						2	100 ×	: 1800 ×	1900 mm.			
Net weight												

Milling Machine







UNIVERSAL MILLING MACHINE

Model × 62W

This machine is capable fo various kinds of milling operations, using cylindrical cutters, angle cutters, disc cutters, forming cutters, etc.

With the employment of the universal dividing head, the machine may be further used for milling spur and cylindrical gears and helixes.

Because of its ample power, rigid construction, and higher spindle speed, the machine may use various carbide cutting tools

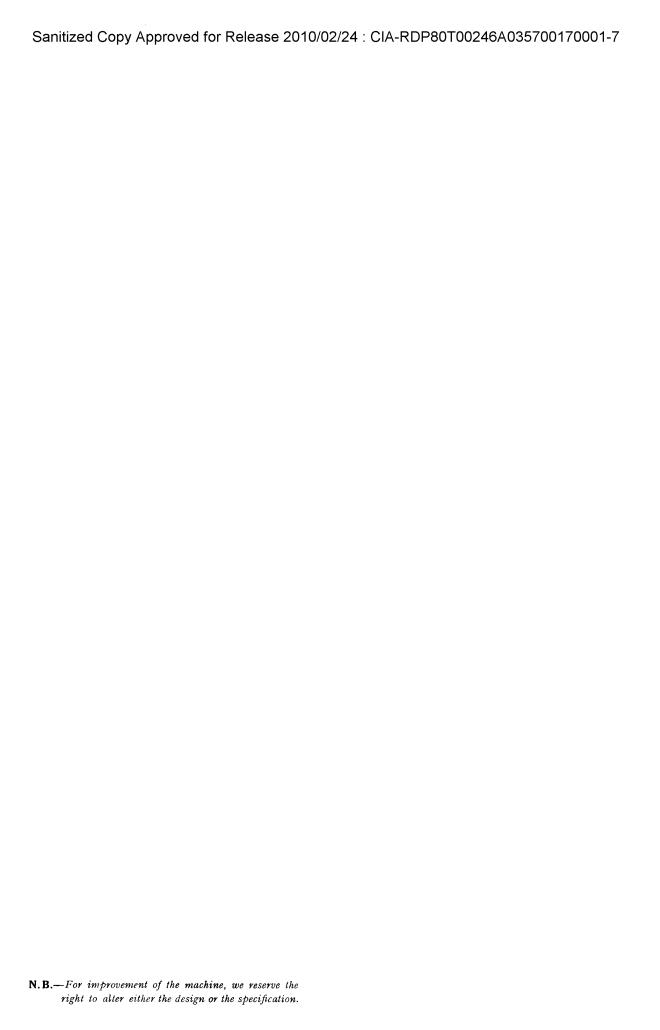
Changes of spindle speed and table feed are obtained through the selection dials of headstock gears and feed gear box.

The machine can also operate in an automatic milling cycle, continuous or intermittent, to the long-itudinal movement of the table. This justifies the reasonable utilization of the machine in mass production.

Due to the provision of a climb cutting device, the machine is capable of handling either climb or conventional milling operation.

Accessories attached to the machine:—dividing head, tailstock, arbor, etc.

Distance between	centre	line	e of	spin	dle a	ınd									
table: Min														30	mm.
3.6	· ···	• • • •	•••	•••			• • • •	• • •	• • • •	• • • •		- •			mm.
Max Distance between		 al. m	 uide			• • • •	• • •	•••	• • • •	• • • •	• • • •	• •		100	1111111
centre of tabl		ai gi	ilde	way	and										
														205	mm.
Max	•													_	mm.
Distance between									• • • •	• • • •	• • • •	• •	• · · · ·	тээ	1111111
overarm				-inde										155	mm.
Working surface of			~ II						• • • •	• • • •			1250×		
Maximum table tr		(1.	, X Y	, ,	• • • •	• • • •	•••	•••	•••	•••	• • • •		1230 🗡	.72.0	1111111
Longitudinal:	avei														
Power														700	mm.
Manual		• • •	•••	• • • •	• • • •	• • • •	• • • •	• • • •	• • • •	•••	•••	••			mm.
Cross:	•••	• • •	• • • •	• • • •	•••	• • •	• • •	• • • •	•••	• • • •	•••	• • •	• •••	700	1111111.
Pewer														230	mm.
Manual	• • •			• • • •					• • • •	• • • •	•••	• • •			mm.
Vertical:	• •	•••		•••	• • • •	• • • •		•••			• • • •	• • •	• • • •	250	1111111
Power														350	mm.
Manual							• • • •	• • • •							mm.
Distance between	"T";	slots					•••	• • • •							mm.
Max. table swivel					• • • •	•••									+ 45°
No. of spindle spe					•••										18
Range of spindle									• • • •					500	rpm.
Table feed:	opeca	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	,		· P ····
Number															18
Longitudinal													19-950	mm	
Cross													19-950		
Ratio, vertical															1/3
Rapid traverse spe															,
													2300	mm	/min.
Cross															min.
Vertical															min.
Motors: 3-phase,	A.C.														
Main drive m	otor:														
Power														7	KW.
Speed													1	445	rpm.
Feed motor:															•
Power															KW.
	•••														rpm.
Overall dimension	(L×	$: W \times$	Η)								2100		740×2		
Net weight	• • •						• • •		•••			.3	3100 kg	, ap	prox.



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25X1

BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)

Cable Address: MACHIMPORT Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road E I

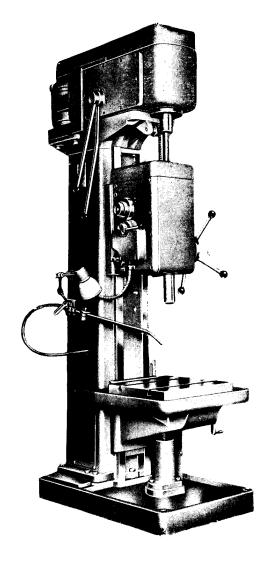
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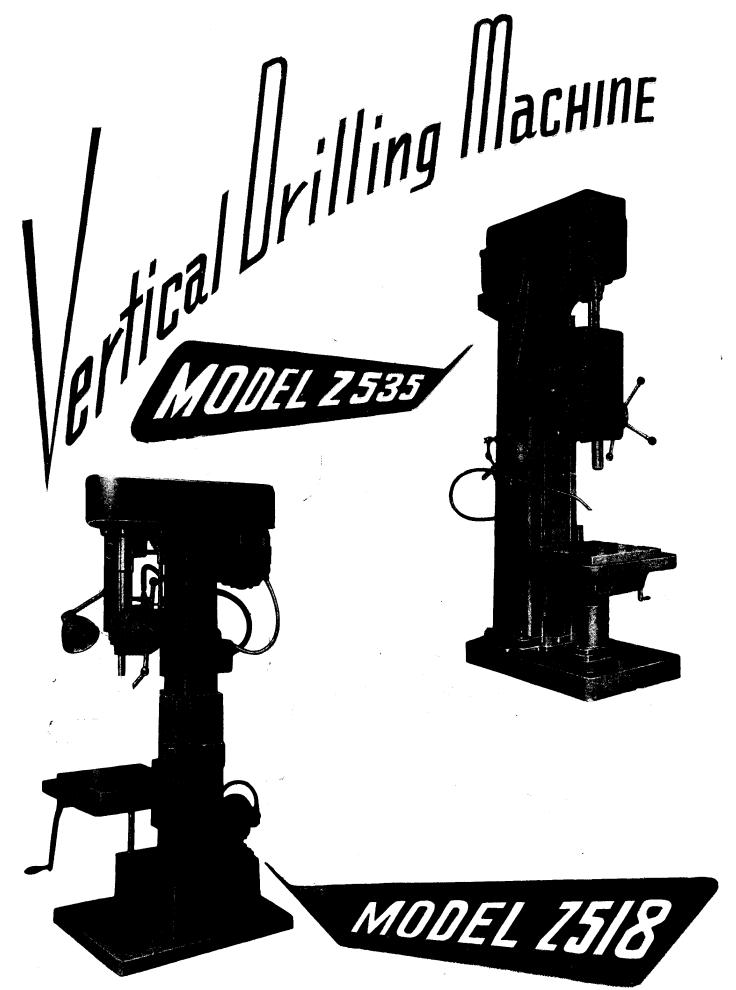
Vertical Drilling Machine

MODEL Z 518 Z 535

25X1

中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT - EXPORT)



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立 式 鑚 床 VERTICAL DRILLING MACHINE MODEL Z518

This machine is suitable for drilling various kinds of metals such as steel, cast iron, non-ferrous metals, etc.

Capacity:—			
Max. diameter of bore in cast iron			18 mm.
Max. diameter of bore in steel		• • • • • • • • • • • • • • • • • • • •	16 mm.
Spindle:—			
Max. travel of spindle	••••	• ••••	150 mm.
Taper hole in spindle		••••	Morse No. 2
Spindle length outside of sleeve			
Working table:—			
Working surface $(L \times W)$			
Vertical travel	••••		450 mm.
Distance, spindle nose to table:			
			30 mm.
Maximum	••••	••••	650 mm.
Machine mechanism:—			
No. of spindle speeds		••••	6
Range of spindle speed	••••	••••	310-2975 rpm.
Feed per revolution of spindle	••••	••••	0.2 mm.
Motor: 3-phase, A.C.			
Power		••••	1 KW.
Speed			930 rpm.
Overall dimension $(L \times W \times H):$		900 ×	$600\times1720~\text{mm}.$
Weight		••••	430 kg. approx.

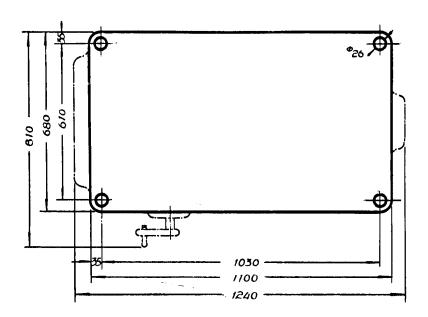
VERTICAL DRILLING MACHINE MODEL Z535

The Z535 Vertical Drilling Machine is designed for drilling, boring and reaming operations on single piece or quantity production work.

Max. drill diamete	er	••••		• • • •	••••		••••	35	mm.	
Max. drill depth	••••		••••					225	mm.	
Working surface o	f table	(L	W)				450	500	mm.	
Vertical travel of	table			••••	••••			380	mm.	
Distance, centre of spindle to										
column						••••		300	mm.	
Max. vertical spin	dle hea	ad ac	ljusti	ment		• • • •		200	mm.	
Max. vertical spin	dle tr a	vel			••••	••••		225	mm.	
Number of spind	le spe	eds				••••	••••		12	
Range of spindle	speed		••••			• • • •	63	-1400	rpm.	
Number of spindle	feeds								12	
Range of spindle	feed	••••		••••	••••	0.1	15-1	.6 mn	ı/rev.	
Drive, 3 phase, A	C. m	otor:	:							
Main drive:	Power	·			••••	••••	••••	4.5	KW.	
	Speed	••••				••••		1440	rpm.	
Coolant pump:	Power					••••		0.125	KW.	
	Speed		••••		••••			2800	rpm.	
Overall dimension	(L . V	W I	- I)		130	0 8	335	2570	mm.	
Net weight				••••	••••	17	00	kg. ap	prox.	

VERTICAL DRILLING MACHINE

MODEL Z 535



BRANCHES

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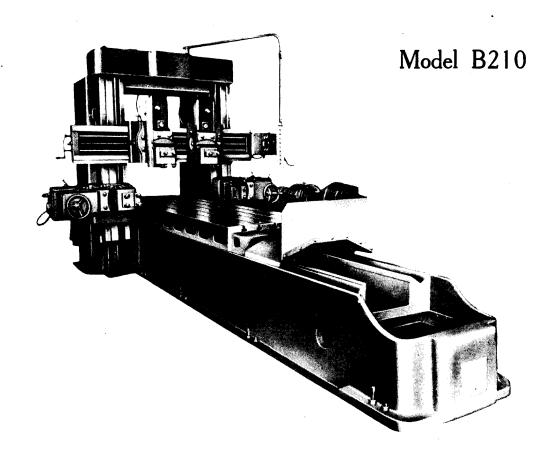
DOUBLE - HOUSING PLANER MODEL B210 B215

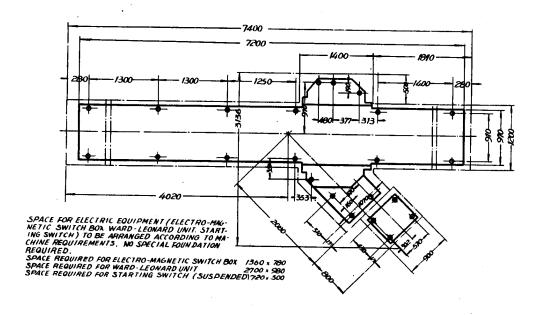
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DOUBLE HOUSING PLANER MODEL B210

This planer is used for machining various shaped guideways, $\,V\,$ or $\,T\,$ slots, horizontal, vertical, and oblique planes, etc.

The table is driven by a D. C. motor through speed reduction gearing and worm which is engaged with the rack under the table.

The change of direction of table motion is effected by reversing the rotation of the main drive motor; the cutting speed, i.e. table speed, can be varied smoothly by means of the Ward-Leonard control.

On the cross rail of the machine are fitted two vertical tool heads and a main feed gear box which is individually driven by a reversible motor.

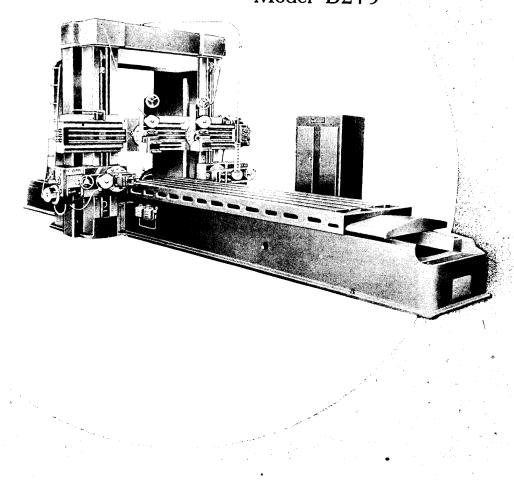
The head feed motor starts at the moment the change of return stroke of table takes place. During the return stroke of the table, the feed gear box completes its set-up; as soon as this return stroke changes to working stroke, the tool heads start feeding.

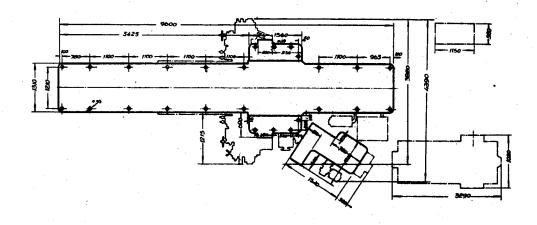
The side tool heads are each individually driven by motor and feed gear box.

The machine is controlled by an electric control table and a pendant pushbutton station.

SPECIFICATION								
Max. planing length				• • •			3000 n	am.
Max. planing width			• • •		• • •		1000 n	am.
Max. planing height			• • •	• • •			850 n	nm.
Max. weight of workpiece ··· ··· ···	· · · · · · · ·		•••	•••	• • •		5000	kg.
Working table surface (L×W) ··· ···			• • •			3000	×900 n	nm.
No. of T slots ··· ··· ··· ··· ···		• • •	•••	• • •	•••	• • •		5
Width of T slots ··· ··· ··· ··· ···			•••	• • •	• • •		28 n	nm.
Distance between T slots			•••	• • •	•••	• • • •	150 n	nm.
No. of vertical tool heads	• • • • • • • • • • • • • • • • • • • •	• • •	• • •	• • •	• • •	•••		2
No. of side tool heads		• • • •	• • •	• • •	• • •	• • •		2
Max. size of tool shank (W×H) ··· ···		• • •	• • •	• • •	• • •	4	10×60 n	nm.
Range of cutting speed		• • •		• • •	• • •	5 -	75 m/n	nin.
Return speed of table	• • • • • • • • • • • • • • • • • • • •	• • •	• • •	• • •		• • • •	75 m/m	nin.
Range of horizontal feed of vertical tool head	l per wor	king	strok	e of	tabl		0.5-25 n	
Range of vertical feed of vertical tool head pe	er workin	ig str	oke o	of tab	le	0.1	25-6.2 n	nm.
Rapid traverse speed of vertical tool head (he	orizontal)	•••	•••	•••	• • •	2	.33 m/n	nin.
Range of feed of side tool head per working	stroke of	table	•••	•••	•••	0.2	5-12.5 m	nm.
Rapid traverse speed of side tool head (vertic	:al)	•••	•••	•••	•••	1	.07 m/m	nin.
Elevating speed of cross rail (vertical)	•••	•••	•••	•••	•••	•••	0.5 m/m	nin.
Total number of electric motors	•••	•••	• • •	•••	•••	•••		13
Driving D. C. motor:	Power	•••	•••	•••	•••	•••	40 K	W.
	Speed	•••	•••	•••	•••	• • •	1460 rg	pm.
D. C. generator:	. Output	•••	•••	•••	1	9/19	.8/9.6 K	w.
	Speed	•••	•••	•••	•••	•••	1475 rj	pm.
Exciter:	Output	•••	•••	•••	•••	•••	5 K	W.
	Speed	•••	•••	•••	•••	•••	1460 rj	
D. C. motor for driving table:	Power	•••	•,••	•••			2/16.2 K	
	Speed	•••	•••	•••	140	0/350)/1400 rj	pm.
Fan motor:	Power	•••	•••	•••	•••	•••	1 K	W.
	Speed	•••	•••	•••	•••	• • •	2850 rg	
A. C. Motor for driving speed regulator:	Power	•••	•••	•••	• • •	abov	re 0.5 K	
•	Speed	•••	•••	•••	•••	•••	3000 r _l	
Speed regulator:	Power	•••	•••	• • •	•••	•••	0.15 K	
	Speed	•••	•••	•••	•••	•••	2850 rj	
Head feeding A. C. motors (3 sets):	Power	•••	•••	• • •	•••	•••	1.7 K	W.
<i>)</i>	Speed	•••	•••	•••	•••	•••	1420 rg	
Cross rail elevating A. C. motor:	Power	•••	•••	•••	• • •	•••	1.7 K	W.
	Speed	•••	•••	• • •	•••	•••	1420 rg	pm.
Cross rail clamping A. C. motor:	Power	•••	•••	•••	•••	•••	0.6 K	W.
	Speed	•••	•••	•••	•••	•••	1410 гј	pm.
A. C. motor for driving lubricating oil								
pump:	Power	•••	•••	•••	•••	•••	0.25 K	W.
	Speed	•••	•••		•••	•••	1400 rj	
Overall dimension $(L \times W \times H)$	•••	•••	•••	7200			× 2680 n	
Net weight	••• •••	• • •	•••	•••	20	500	kg. appi	rox.

Model B215





DOUBLE HOUSING PLANER MODEL B215

This machine can be used for planing heavy castings or forgings weighing up to 10 tons.

Three sides of the workpiece can be planed by 2 vertical tool heads and 2 side tool heads simultaneously.

The working table is driven by a D. C. motor controlled by Ward-Leonard system through a pair of herring-bone speed reducing gears, worm wheel and rack. The power feeds and rapid traverse of all tool heads are also actuated by individual D. C. motors.

Clamping and travel of the cross rail are power operated.

All slide ways and principal mechanisms are lubricated by an electric motor driven oil pump.

The machine is provided with safety device against overload and interlocking device to protect the same from being damaged.

31 2011 1	01111011		
Distance, vertical tool head to table:	Minimum		0 mm.
	Maximum		1300 mm.
Extreme position of centre line of side too	ol head:		
			1050 mm.
			200 mm.
Between two columns ··· ···			1500 mm.
Maximum planing length ··· ··· ···			·· ··· 4000 mm.
Maximum planing width			·· ··· 1500 mm.
Maximum planing height			·· ·· 1250 mm.
Maximum safe weight of workpiece			10000 kg.
Working surface of table $(L \times W)$			·· 4000 × 1300 mm.
Stroke of table: Minimum			
			ooo mii.
			rood mm.
8 1			·· 6-60 m/min.
Range of return speed of table			·· 12-60 m/min.
Number of feeds of vertical and side tool	heads		21
Range of feed of vertical tool head per do			
	••• •••		·· 0.25-25 mm.
Horizontal · · · · · ·			·· 0.5 -50 mm.
Range of vertical feed of side tool head pe	er working str	oke of tal	ole: 0.5 -50 mm.
Rapid traverse speed of vertical tool head:			
Vertical ··· ···		••• ••• •	· 1500 mm/min.
		••• ••• •	· 3000 mm/min.
Vertical rapid traverse speed of side tool h	nead ··· ···	• • • • •	· 3000 mm/min.
Elevating speed of cross rail		··· ··· ·	· 1000 mm/min.
Total number of motors			13
Motor, 3-phase, A. C.:	Power ···		·· ·· 75 Kw.
	Speed ···		980 rpm.
D. C. generator:	Speed		975 rpm.
Exciter:	Power ···		·· ··· 7.8 KW.
	Speed ··· ·		
D. C. motor for driving table:			-
6			·· 132.5-1325 rpm.
A. C. motor for fan:	_ •		
A. C. motor for driving speed regulator:	_ •		
iii oi motor for anymig spotta roganitor.			
D. C. generator for speed regulator:	_ *		choo ipiii.
D. C. motors for feeding (3 sets)	_ ~		
D. C. motors for recaining (5 sets)			
Cross rail elevating A. C. motor:			•
Cross ran elevating A. C. motor:			
Construction A. C. anatom	~P		
Cross rail clamping A. C. motor:	- 0	•• ••• ••	
TT 1 11	~ p	•• ••• ••	,
Hydraulic pump A. C. motor:			
	Speed		- · · · · - F · · · ·
0 / 01 min diministration (2 // // // 22)			\times 3820 \times 3548 mm.
Net weight ··· ··· ··· ··· ··· ···		•• •••	32000 kg. approx.

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N.B.—For improvement of the machine, we reserve the

25X1

BRANCHES

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Cable Address: MACHIMPORT Tientsin

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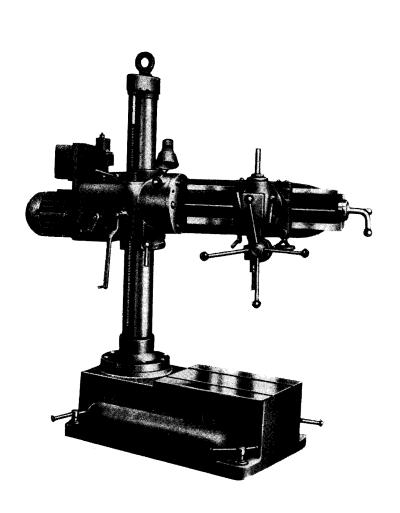
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25X1

Portable Radial Drilling Machine Radial Drilling MODEL Z 32K



25X1

中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT - EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA CABLE ADDRESS: "MACHIMPORT" PEKING

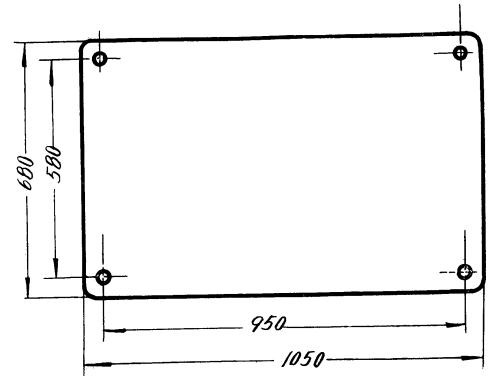
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PORTABLE RADIAL DRILLING MACHINE

MODEL Z32K

This machine is intended for drilling operations on heavy and box like workpieces during erection and installation. It can be moved (with base of the machine on rollers) or shifted by crane to the workpieces. By swivelling the cross arm and the spindle head stock, the spindles can be adjusted to operate on plane of any inclination.

Max. drilling capacity
Distance, centre of spindle to column:
Maximum
Minimum
Distance spindle nose to bedplate:
Maximum
Minimum 25 mm.
Taper of hole in spindle
Max. travel of spindle (manual)
Max. horizontal travel of spindle headstock (manual) 500 mm.
Max. swivel of spindle headstock
Max. swivel of spindle headstock
Max. travel of arm (manual) 360°
May swivel of arm around vertical centre line of column
Marr ouristol of arm arolling hollsonial centre into or arm.
Spindle speed
Maton, 2 phase AC flanged:
Power 17 KW.
Speed 1400 lpin.
Overall dimensions (I x W x H) 1000 x 0000 x 2000 mm.
Net weight



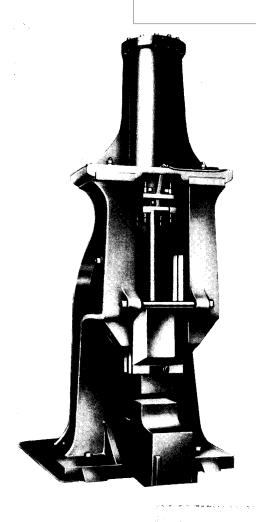
N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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蒸空兩用鍵

Steam Or Pneumatic Hammer

25X1



(I TON) MODEL 232-1

25X1

中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

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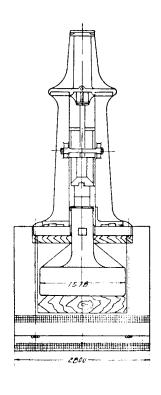
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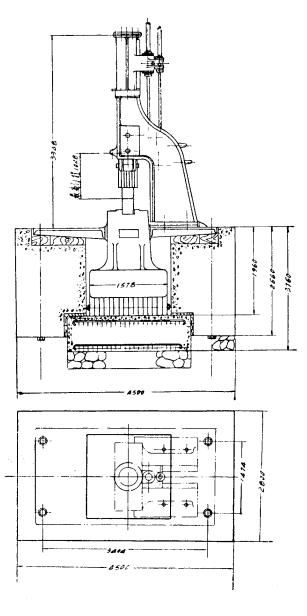
STEAM OR PNEUMATIC HAMMER (I TON)

Model 232 - I

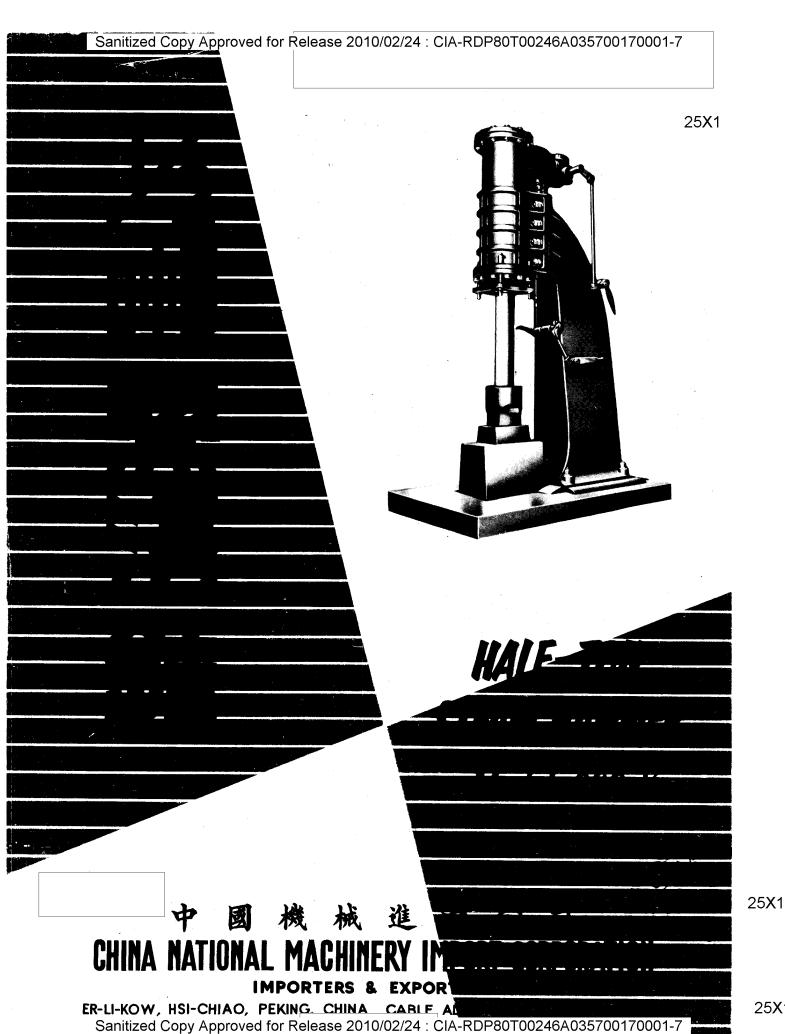
This machine is capable of piercing, extending, upsetting, and other free forging operations. Blows can be adjusted single or continual.

Rated capacity			•••					1000 kg.
Max. stroke								1028 mm.
Cylinder bore								381 mm.
Diameter of ram	•••						•••	127 mm.
Distance from centre of ram to column	٠					•••	•••	458 mm.
Ram surface $(L \times W)$		•••	•••			•••	355	\times 292 mm.
Anvil surface $(L \times W)$							355	\times 292 mm.
Pressure	•••	•••	•••	• • •		•••	•••	7 kg./cm 2
Overall dimension $(L \times W \times H)$				3	734	\times 19	982 >	< 3948 mm.
Machine weight (excluding anvil)	•••					•••		21000 kg.
Anvil weight	•••	•••				•••	•••	14000 kg.





N.B.--For improvement of the machine, we reserve the right to alter either the design or the specification.



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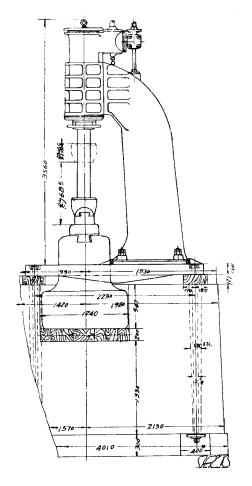
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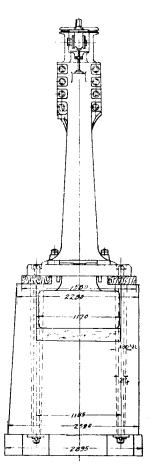
HALF-TON STEAM HAMMER

Model 232 - 12

This machine is durable and compact, though simple in construction and easy in operation. Its piston is of double stroke type and powerful in ramming. It is well equipped and complete with safety device.

Falling weight 500 k	g.
Max. stroke of piston 685 mr	n.
Cylinder bore	n.
Dia. of hammer rod	n.
Dia. of steam inlet pipe	e)
Dia. of exhaust pipe 4" (gas pip	e)
Anvil surface	n.
Ram surface	n.
Max. distance of ram centre line to the vertical pillar 610 mr	n.
Height of anvil surface from ground 738 mr	n.
Total height of hammer assembled	n.
Floor space of bed plate $1200 \times 1130 \text{ mm}$	n.
Weight of ram	g.
Weight of anvil	g.
Gross weight of machine	g.
Max. diameter of work forgeable 150 mm	n.

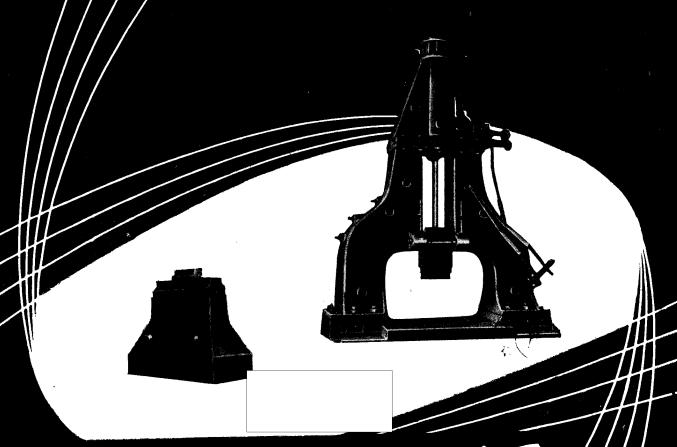




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PNEUMÁTIC-STÉAM HAMMER (2-TON) MODEL 232-2



蒸空两用鍾

中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

FR-LI-KO HSI-CHIAO, PEKING CHINA

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25X1

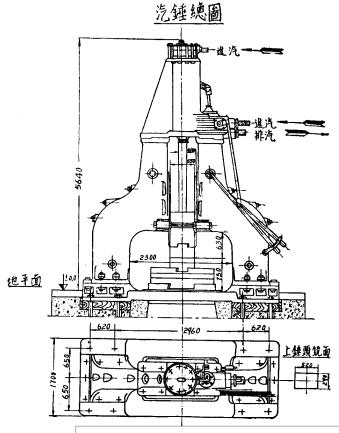
蒸空两用錘

PNEUMATIC-STEAM HAMMER (2-TON)

MODEL 232-2

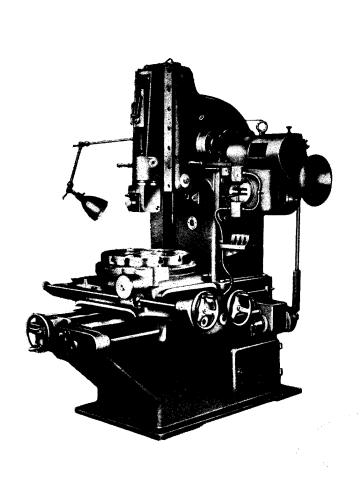
This kind of Pneumatic-Steam Hammer is suitable for extending, upsetting, punching, breaking, bending, forge welding and other free forging works. It has double column housing with steam cushioning device. The distribution of steam is controlled by a cylindrical piston valve and a control valve. The hammer can be manually controlled to perform single blow action and may be brought to a standstill at any position. The lubrication of the hammer is by a central system.

Nominal blow	ž.
Max. stroke of ram	m.
Dia. of cylinder	m.
Dia. of ram rod	m
Distance between anvil block and the end of guide ways. 630 m	m
Distance between anvil block and ground surface	m.
Distance between columns	m.
Distance between guide ways 550 m	m.
Ram surface	90 mm.
Anvil surface	90 mm.
Steam pressure (absolute)	
Inlet	n.
Outlet 1-1.5 a	itm.
Max. speed of ram	sec.
Energy of stroke (dropping speed of hammer 8.9 m/sec.)	kg.
Stroke per minute	•
Base (length x width)4450x17	700 mm.
Overall height above ground surface5640 m	m.
Weight of machine (excluding anvil block)	g.
Weight of anvil block	g.



5 Lotting Machine

Model 7417





25X1

CHINERY IMPORT CORPORATION

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA

CABLE ADD: "MACHIMPORT" PEKING

SLOTTING MACHINE

MODEL 7417

This machine is suitable for machining plane and profile surfaces, slots, keyways, and different kinds of dies. It is started by a friction clutch and quickly stopped by a braking device.

The number of reciprocating strokes of ram per minute is adjusted by means of a gear box; the longitudinal, traverse and circular feeds by means of ratchet mechanism.

The stroke of the ram is controlled by an eccentric wheel of the crank mechanism; the tool edge is released from the workpiece during the return stroke of ram.

Longitudinal, cross, or circular feed of the table is disengaged automatically by limit stops. The feed mechanism is provided with reverse motion and a safety device against overload.

The rotary table is graduated into 360 divisions.

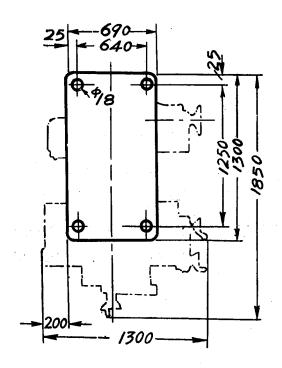
Table and ram traverse are operated either by power or hand.

Stroke of ram:

Minimum												25
	• • • •		• • • •		• • • •		• • • •	• • • •	• • • •	 • • • •	•••	25 mm.
Maximum		• • •	• • •							 		160 mm.
Distance, table surface to ram:												
Minimum										 		25 mm.
Maximum										 		450 mm.
Distance, rear side of	table	e to	colur	ma:								
Minimum										 		25 mm.
Maximum			• • •							 		500 mm.
Distance, outside edge	of	ram	to re	ar si	de o	f tab	le:					
Minimum		• • •	•••	• • • •			• • •	•••		 		20 mm.
Maximum		• • •						•••		 		455 mm.
Distance, tool post see	at to	col	umn							 		480 mm.
Distance, surface of to	able	to ra	am gi	uide						 		350 mm.
Diameter of table												500 mm

Maximum travel of table:

Longitudinal	475 mm.
Cross	530 mm.
Maximum swivel of table	360°
Maximum side swivel of ram head	±90°
Maximum tilting of ram	4°30'
Strokes of ram per minute	30; 48; 78; 120
No. of longitudinal, cross and rotary feeds of table	15
Range of longitudinal and cross feed of table per str	troke 0.081-1.21 mm.
Range of rotary feed of table per stroke	0.054°-0.81°
Electric Motor: 3-phase, A.C.:	
Power	2.8 KW.
Speed	IOOO rpm.
Overall dimensions (L \times W \times H)	1850×1300×2040 mm.
Net weight	2300 kg. approx.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)

Cable Address: MACHIMPORT Tientsin

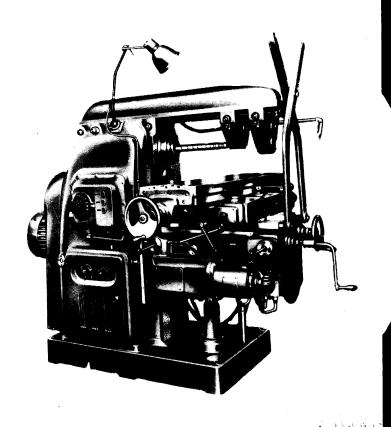
SHANGHAI OFFICE: 27 Chung Shan Road El

Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton

Horizontal Milling A

MODEL X62



25X1

中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT - FYPORT)

FR-II-KOII HSI-CHIAO PEKING CHINA CABLE ADD: MACHIMPORT PEKING Sanitized Copy Approved for Release 2010/02/24: CIA-RDP80T00246A035700170001-7

HORIZONTAL MILLING MACHINE MODEL X62

This machine is a superior miller equipped with high grade electric control device, and suitable for multi-purpose, general, and complicated milling operations. It may be adopted in small and big workshops, as well as automobile manufacturing plants.

Outstanding features:

- 1. Rigid construction, ample power, high speeds, and capability of using carbide cutting tools for high speed cutting.
- 2. Working table, being equipped with automatic start, automatic stop, intermittent and reciprocating motions for the automatic working cycle, is suitable for lot or mass production.
- 3. Hand levers and push buttons for operating the machine are mounted on both the left and front sides of machine.
- 4. The start and stop of spindle and the rapid traverse of working table are all controlled by means of push buttons, while the working table may be driven by power or by hand.
- 5. Spindle and feed are driven separately, change of speeds and feeds are obtained through the selection dials of gear box and feed box.
- 6. There is a device for eliminating backlash between table feed screw and half-nut, thus climb cutting may be accomplished. Accessories: Arbor and spanners etc.

Main dimensions:

Distance, centre line of spindle to top of table:

Minimum 30 mm. Maximum 450 mm.

Distance, centre of table to bedways:

Minimum 205 mm.
Maximum 455 mm.

Distance, centre line of spindle to overarm: 155 mm.

Working table:

Working surface of table (L x W) 1250x320 mm.

Max. table travel:

Longitudinal 700 mm.

Cross: Power 230 mm.
Manual 250 mm.

Vertical: Power 400 mm.

Manual 420 mm.

Mechanical capacity:-

18 Number of spindle speeds

30-1500 rpm. Range of spindle speed

Number of longitudinal, cross, and

18 vertical table feeds

Range of longitudinal, cross, and

19-950 mm/min. vertical table feeds

1/3 longitudinal feed Range of vertical feed

Rapid traverse speed of working table:

2300 mm min. Longitudinal 2300 mm min. Cross 770 mm min. Vertical

Drive, overall dimension and weight:-

Motors: 3-phase, A.C.

> 7 KW. for main drive: Power

1445 rpm. Speed

2.8 KW. for feeding: Power

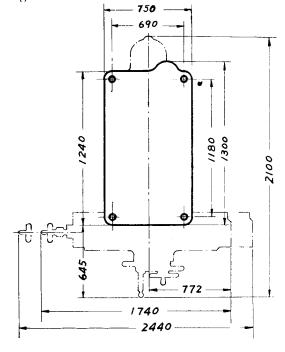
Speed 1440 rpm.

0.125 KW. Power for coolant pump:

2800 rpm. Speed

Overall dimension (L x W x H) 2100x1740x1615 mm3000 kg. approx.

Net weight



25X1

BRANCHES

TIENTSIN OFFICE:

171 Chien Shien Road (Ho Si District)

Cable Address: MACHIMPORT Tientsin

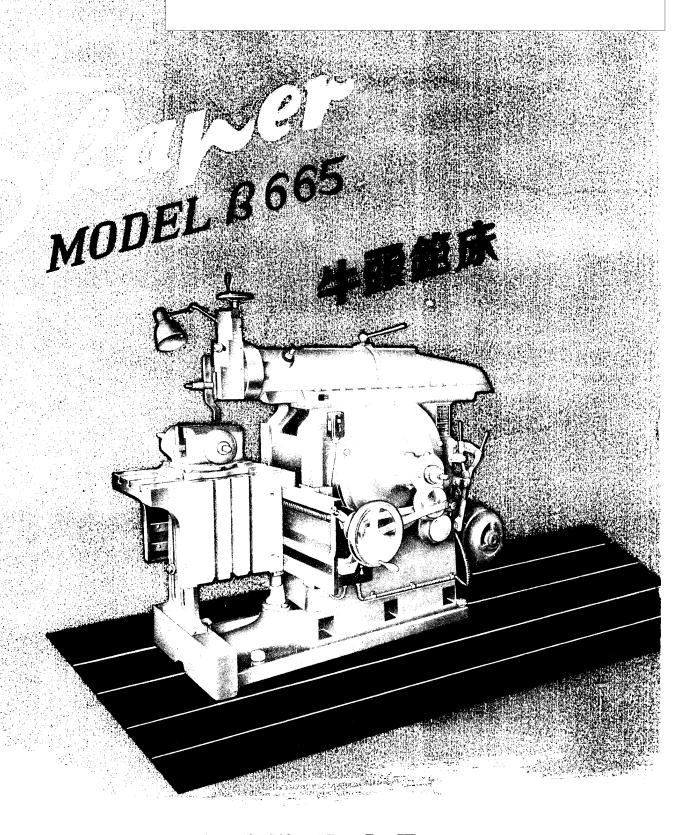
SHANGHAI OFFICE:

27 Chung Shan Road El

Cable Address: MACHIMPORT Shanghai

CANTON OFFICE:

No. 2, West Bund Road, Canton



中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA

CABLE ADDRESS: "MACHIMPORT" PEKING

SHAPER MODEL B665

This machine is suitable for shaping plane and formed surfaces of workpieces for small scale production.

The machine is driven by an individual motor.

The ram and tool head are actuated by a crank mechanism. The tool head can be swivelled and the vertical feed of the tool slide is effected by hand.

The horizontal traverse of table is effected either by power or manually, while the vertical traverse is actuated only by hand. The horizontal feed of work table is regulated by ratchet wheel mechanism.

Accessories attached with the machine:—

1 set — Plain vice of 240 mm width.

1 pce. — Socket wrench.

3 pcs. — Hook wrenches.

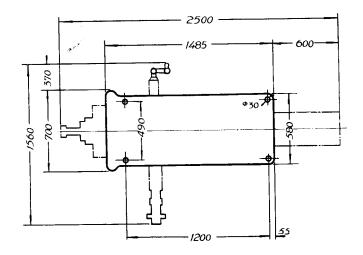
SPECIFICATION

Max. stroke of ram	n.
Max. distance between lower edge of	
ram and table	ก.
Max. distance from tool bottom to	
machine bed (overhang)	n.
Table (L x W):	
Top	n.
Side	n.
Saddle of table	n.
Max. travel of table:—	
Horizontal (power or manual) 600 mm	n.
Vertical (manual)	n.
Max. size of shank (W x H)	n.

Max. adjustment of ram (each side of centre) ± 250 mm.
Max. swivel of tool head
Max. vertical travel of tool head (manual) 175 mm.
Max. swivel of tool head $\ldots \ldots \ldots \ldots \pm 60^{\circ}$
No. of strokes of ram per minute 12.5; 17.9; 25;
36.5; 52.5; 73.
Table horizontal feed per stroke of ram: Min. (by turning each ratchet wheel tooth) 0.33 mm. Max. (by turning 10 ratchet wheel teeth) 3.33 mm.
Motor: 3-phase, A.C.
Power
Speed
Overall dimension (L x W x H) 2060 x 1560 x 1750 mm.
Net weight

Remarks:

Swivel of tool head can be 60° when space between tool and guideway is not smaller than 10 mm., otherwise, only 20° can be obtained.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

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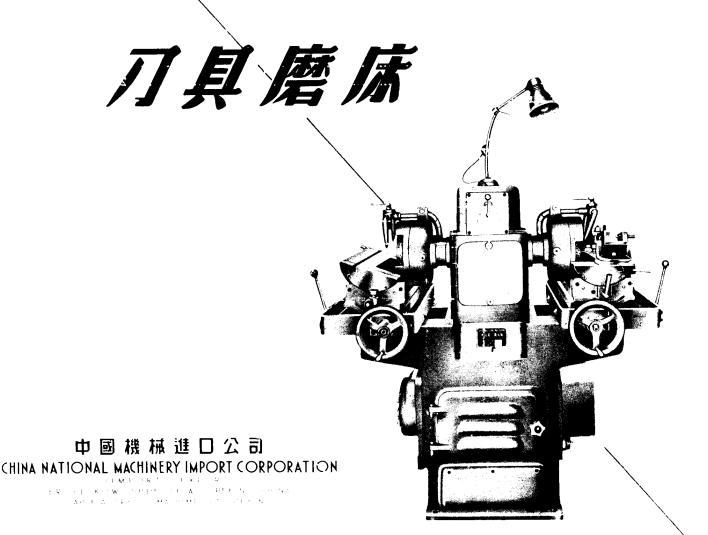
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TOOL GRINDER Model MO250K



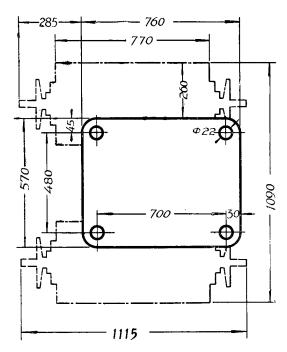
フ 具 磨 床 TOOL GRINDER MODEL M6250K

This machine is suitable for grinding carbide tools. The carriage is composed of lower slide, upper slide, and rotary table. The tool to be ground is clamped by special holding fixture and subjected to cooling action during grinding.

The cross travel of lower slide along guideways and the longitudinal travel of upper slide along the working surface of grinding wheel are both effected by hand; the swivel of working table which is fixed on the upper slide, may be adjusted according to scale.

SPECIFICATION

Max. size of tools to be	ground		 	 		• • •	 			50x50	mm.
No. of grinding wheels			 	 	•••		 				. 2
Outside diameter of wheel			 	 			 • • •			250	mm.
Inside diameter of wheel			 	 			 		• • •	150	mm.
Height of wheel			 	 			 			100	mm.
Spindle speed										2280	rpm.
Motors: 3-phase, A.C.											
for main drive:											
Powe r			 	 			 			2.8	KW.
Speed			 	 			 			2 870	rpm.
for coolant pump:											
power			 	 			 			0.125	KW.
Speed			 	 			 			2800	rpm.
Overall dimension (LxW	(Hz	•••	 	 			 151	0 x <u>′</u> 1	115 >	1365	mm.
Net weight			 	 			 		1200) kg. ar	prox.

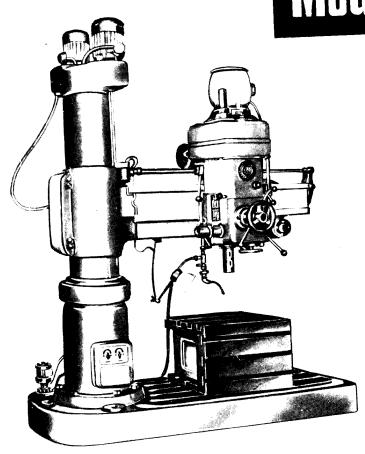


N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1.

Radial Drilling Machine

Model 735



旋臂鎖床

中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT - EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA CABLE ADD: MACHIMPORT PEKING

25**X**1

RADIAL DRILLING MACHINE MODEL Z35

This machine is used for drilling, counter sinking, reaming, boring and tapping.

Spindle speed and feed are controlled respectively by the gear box and the feed box. Rotation of the spindle can be reversed by reversing the rotation of the motor. The spindle feed is operated by power and its rapid traverse by hand.

A single motor is used for the automatic lifting of the arm.

Clamping and release of arm on vertical column and that of spindle head on arm are accomplished by hydraulically controlled devices. The spindle head can also be clamped by hand. The swivel of arm around column and the horizontal traverse of spindle head along guide way of arm are rendered by hand.

The machine is provided with 4 motors.

Max. drilling diameter 50

50 mm.

Distance, centre line of spindle to column:

Minimum 450 mm.

Maximum 1500 mm.

Distance, spindle nose to working table:

Minimum 0 mm.

Maximum 1000 mm.

Distance, spindle nose to baseplate:

Minimum 470 mm.

Maximum 1500 mm.

Taper hole of spindle Morse No. 5

Max. traverse of spindle

Max. traverse of spindle head on arm

May traverse of spindle head on arm

1050 mm.

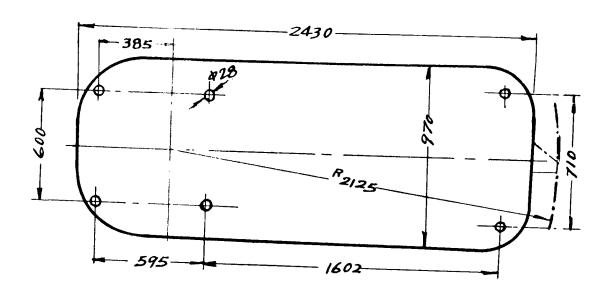
Max. traverse of arm on column 680 mm.

Max swivel of arm 360°

No. of spindle speeds 18

Range of spingle speeds:		
	Forward Reverse	30-1500 rpm. 34-1700 rpm.
No. of spindle feeds Range of feed per spindle r Motors: 3-phase, A.C.	revolution	18 0.03-1.2 mm.
for driving spindle:	Power Speed	4.5 KW. 1500 rpm.
for lifting arm:	Power Speed	1.7 KW. 1500 rpm.
for clamping arm:	Power Speed	0.6 KW. 1500 rpm.
for coolant pump:	Power Speed	0.125 KW. 2800 rpm.
Overall dimension (LxWxH) Net weight		2610x970x3000 mm.

4300 kg. approx.



N.B.--For improvement of the machine, we reserve the right to alter either the design or the specification.

43.5

BRANCHES

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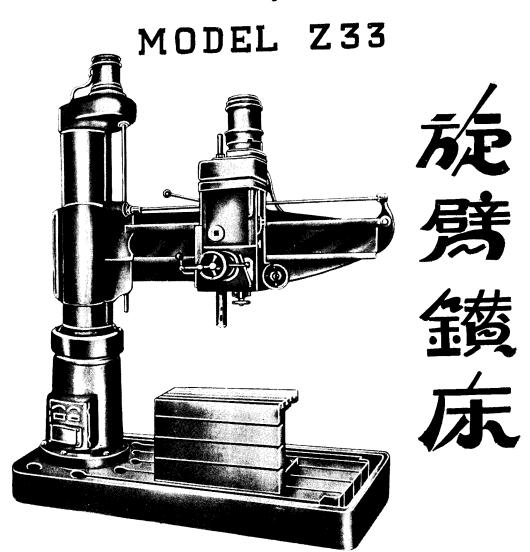
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SHANGHAI OFFICE: 27 Chung Shan Road El

Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton

Radial Drilling Machine



CHINA NATIONAL MACHINERY IMPORT CORPORATION

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA CABLE ADD: "MACHIMPORT" PEKING

RADIAL DRILLING MACHINE

MODEL Z33

This machine is used for drilling, counter-boring, reaming, boring and tapping. The spindle is driven by a reversible motor. Feeds are performed either automatically or by hand.

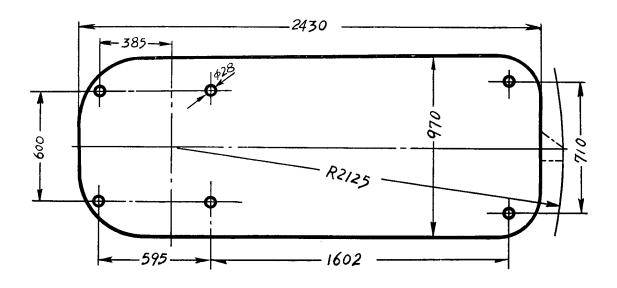
The spindle box moves horizontally along the arm and may be locked in any position by hand. The lifting of the arm along the column is effected by a single electric motor. It is released or clamped automatically at starting and stopping of the motor. The arm can be swiveled around the column by hand.

The change of spindle speed is obtained through the change-gear box, and change of feed rate through the feed box.

Max. drilling capacity							35 mm.	
Distance, centre of spindle to column (overhang):								
Minimum.							450 mm.	
Maximum							15CO mm.	
Distance, spindle nose to table:								
Minimum							O mm.	
Maximum							1000 mm.	
Distance, spindle nose to base:								
Minimum							500 mm.	
Maximum							1500 mm.	
Spindle travel (power or manual)							330 mm.	
Taper in spindle bore							Morse No. 4	
Vertical travel of spindle head							1050 mm.	
Max. vertical travel of arm on column	•••						689 mm.	
Max. swivel of arm on column							360°	
Vertical rapid travel speed of arm							I.2 m/min.	
No. of spindle speeds							12	
Spindle speed range							45-2090 rpm.	
No. of spindle feeds	•• · · · ·					• • •	12	
Spindle feed range							0.03-1 mm/rev.	

Electric Motors: 3-phase, A.C.

drilling motor:	Power	•••		•••	 					3.2	KW.
	Speed		• • •		 			•••		1450	rpm.
elevating motor:	Power				 	•••				1.5	KW.
	Speed		•••		 	•••				1425	rpm.
coolant pump motor:	Power				 			•••	•••	0.125	KW.
	Speed				 	•••				2800	rpm.
Overall dimensions $(L \times W \times H)$					 		250	0 x 0	970 x	< 3350	mm.
Net weight					 		• • •	L	+100	kg. ap	prox.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification

BRANCHES

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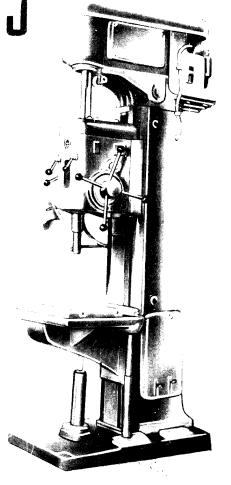
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Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton

Vertical Drilling Machine Model 7525





中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA CABLE ADD: MACHIMPORT PEKING

25X1

25X1

25X1

VERTICAL DRILLING MACHINE MODEL Z525

This machine is suitable for drilling, reaming, facing and tapping operations in repair shops or tool rooms for single piece or small scale production.

Drilling capacity:

Max. diameter 25 mm. 175 mm. Max. depth 250 mm. Distance, centre line of spindle to column Max. distance spindle nose to table 700 mm. Number of spindle speeds 9 96.5-1350 rpm. Range of spindle speed (68-950; 132-1850; or 187-2620 rpm. available

on special request)

Range of spindle feed

3-phase, A.C.

Electric Motor: Power

Speed

Net weight

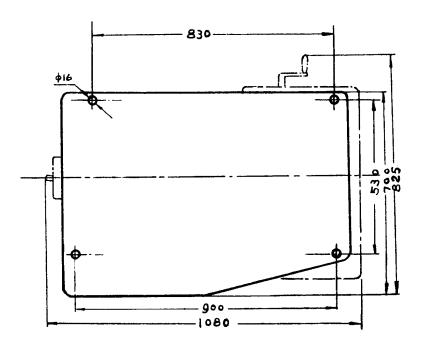
Overall dimensions (LxWxH)

0.1-0.81 mm/rev.

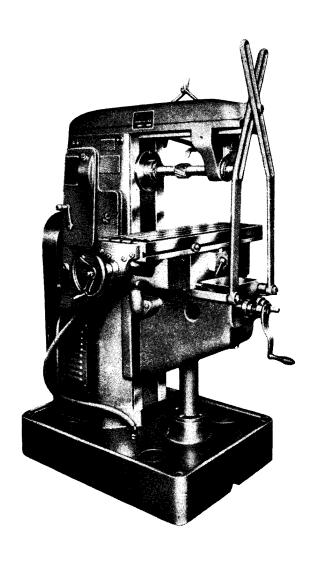
2.8 KW. 1420 rpm.

1060x825x2295 mm.

1025 kg. approx.



HORIZONTAL MILLING MACHINE World X602





中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA (ABLE ADDRESS: "MACHIMPORT" PEKING

HORIZONTAL MILLING MACHINE

MODEL X602

This machine is suitable for milling various parts, using cylindrical, disc, angle or form milling cutters.

The working table and the main spindle are driven by an individual electric motor.

The spindle speeds are regulated by change gears and back gears.

The longitudinal movement of table is driven either by power or by hand, but the cross and vertical movements are driven by hand only.

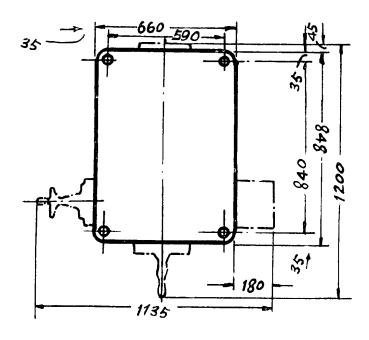
The table feed is regulated by change gears and back gears.

The automatic cross movement of table is stopped either by hand or by limit stop.

SPECIFICATION

Distance, spindle centre line to table:	
Minimum	30 mm.
Maximum	330 mm.
Max. distance, main spindle end to	
bearings of arbor	330 mm.
Max. distance, vertical guideway to	
supporting arm . ,	460 mm.
Distance, rear side of table to main spindle end:	
Minimum	0 mm.
Maximum	150 mm.
Distance, rear side of table to vertical guideway:	
Minimum	45 mm.
Maximum	195 mm

Distance, spindle centre line to overarm	125 mm.
Working table surface (LxW)	750x225 mm.
Max. travel of table:	
Longitudinal (manual)	150 mm.
Cross (power or manual)	450 mm.
Vertical (manual)	300 mm.
Spindle speeds: 47.5; 67; 95; 1	
Number of table feeds	16
Range of table feed	19–420 mm/min.
Motors: 3-phase, A.C.	
for main drive and cross feed:	Power 2.8 KW.
	Speed 1430 rpm.
for coolant pump:	Power 0.125 KW.
	Speed 2800 rpm.
Overall dimensions (LxWxH)	1200x1135x1450 mm.
Net weight	



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

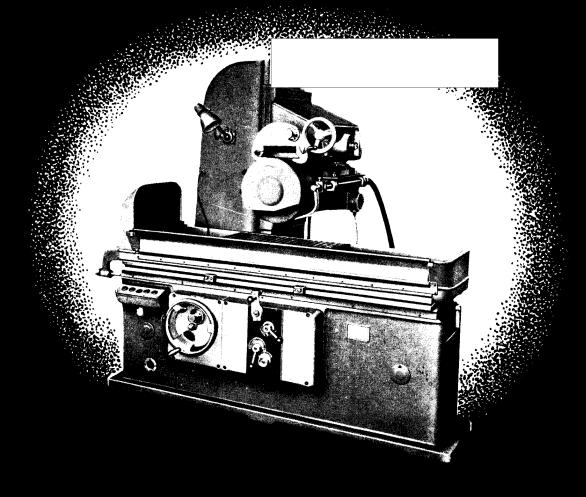
TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)

Cable Address: MACHIMPORT Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road E1

Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton



平面磨床 Hydraulic Surface Grinding Machine MODEL M7130

中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA

(ABLE ADPRESS: "MACHIMPORT" DEKING. 115

25X1

25X1

HYDRAULIC SURFACE GRINDING MACHINE

Model M7130

This machine is suitable for grinding plane surfaces of various machine parts (with the circular face of grinding wheel) held either on the table or electromagnetic chuck.

The machine is provided with three electric motors. All pushbuttons are concentrated on the front side of machine.

The longitudinal travel of table is hydraulically actuated, whereas the cross feed of wheel head may be operated either hydraulically or manually.

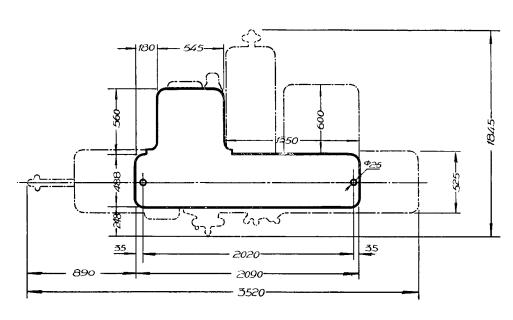
The cross feed of wheel head may be set to operate continuously or intermittently. The amount of intermittent cross feed and the speed of continuous feed are controlled by a valve in the hydraulic system.

The vertical feed of the wheel head is accomplished by hand.

SPECIFICATION

1.	Workpiece:	
	Max, dimension of workpiece ground (L \times W \times H) $1000 \times 300 \times 400$ mm	m.
2.	Table:	
	Working surface of table	
	$(L \times W)$	m.
	Travel of table (hydraulic):	
	Min	m.
	Max	m.
	Spindle axis to working surface of table:	
	Min	m.
	Max	m.
3.	Wheel Head:	
	Max. movement of wheel head:	
	Cross (hydraulic or manual) 350 mi	m.
	Vertical (manual) 400 mi	m.
	Diameter of grinding wheel:	
	Min	m.
	Max	m.
	Width of grinding wheel 40 mm	m.
4.	Machine mechanism:	
	Wheel head spindle speed 1440 rps	m.

	Table speed (hydraulic)								1-30 m/m	in.
	Wheel head intermittent c	ross fee	d							
	per stroke of table (h	ydraulic]):							
	Min							,	3 m	m.
	Max								30 m	m.
	Wheel head continuous cr	oss feed	. (l	nyd	lrau	lic):			
	Min								0.3 m/m	in.
	Max				٠				4.5 m/m	in.
	Wheel head vertical feed	per								
	graduation of dial (ma	anual)							$0.01 \mathrm{m}$	m.
5.	Hydraulic pump:									
	Speed								950 rp	m.
	Discharge								120 lit./m	in.
	Working pressure .								10 at	m.
6.	Motors: 3-phase, A.C.									
	for Wheel head:	Power							4.2 KV	W.
		Speed							1440 rp	m.
	for Hydraulic pump:	Power							2.7 KV	W.
		Speed							950 rp	m.
	for Coolant pump:	Power							$0.125~{ m K}^{ m V}$	W.
		Speed							2800 rp	m.
7.	Overall dimension									
	$(L \times W \times H)$				35	05	×1	1845	$\times 2055$ m	m.
8.	Net weight									



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)

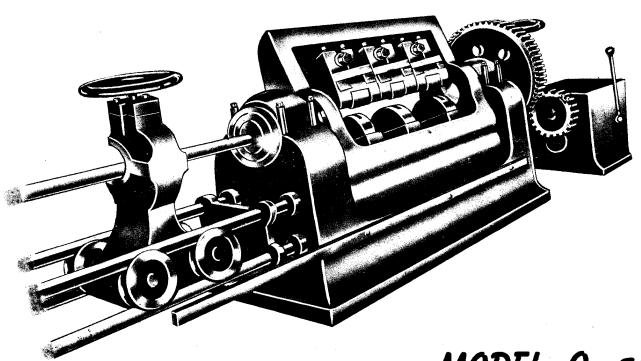
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Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton

STRAIGHTENING and 25X POLISHING MACHINE



矯正輥光機

MODEL Q-88

25X1

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA CABLE ADDRESS: "MACHIMPORT" PEKING

25X1

STRAIGHTENING AND POLISHING MACHINE

MODEL Q-88.

This machine is used for straightening and polishing all kinds of steel bars, shafts, and seamless steel pipes, except cold drawn bars for automachines and steel bars of lower elongation than 13%.

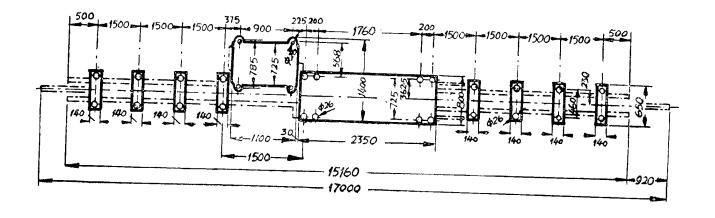
Work should be turned roughly before being polished; the same rule, however, does not apply to work which needs only straightening. Polishing and straightening is accompanied by passing work along axial direction between rollers rotating around the centre line of work.

The speed of straightening is controlled by means of a gear box. The friction between work and rollers on the frame of straightening mechanism actuates the axial feed of work. The rate of feed is adjusted by swivelling the rollers to the centre line of work, and the direction of feed can be reversed by reversing the rotation of frame of the straightening mechanism.

The machine is provided with guide trucks.

Diameter of workpiece: Minimum 25 mm. Maximum 80 mm. Max. length of workpiece 7000 mm. No. of rollers on straightening mechanism: Feed rollers 2 Straightening rollers 4 Swivel of clamping rollers: Minimum 15° Maximum 25° Guiding trucks 2 Diameter of workpiece clamped on guide truck: Minimum 25 mm. Maximum 80 mm

Speeds of straightening frame 85,120,170 rpm Feed of workpiece per revolution of straightening frame (angle ∞ of rollers $= 18^{\circ}$): When dia. of workpiece is 25 mm. 20 mm. When dia. of workpiece is 50 mm. 40 mm. When dia. of workpiece is 80 mm. 65 mm. When values of "d" and " ∞ " are varied, the rate of feed can be computed by the following formula: $S = 0.8 \text{ ard.tg} \propto \text{mm/rev.}$ In which: d = dia of workpiece (in mm) ∞ = angle of roller frame 0.8 = Sliding coefficent of bar through rollers No. of regular passages through rollers: In straightening In polishing not less than 3 Motor: 3-phase, A.C. 15.2 KW. 950 rpm. Overall dimensions (LxWxH) . . . 17000x1400x1225 mm. Net weight 6000 kg. approx.



N.B —For improvement of the machine, we reserve the right to alter either the design or the specification.

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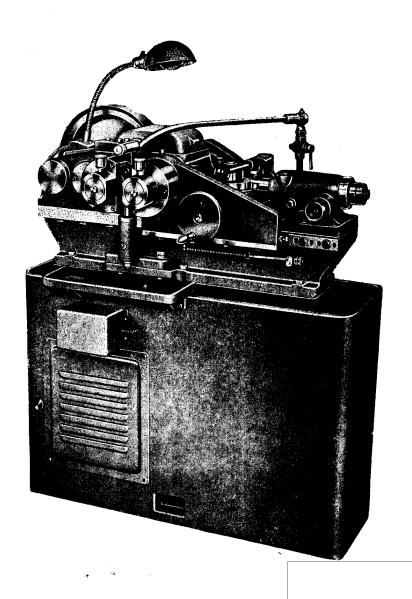
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निर्वार्थ निर्वार निर्वार्थ निर्वार्थ निर्वार निर्

滾絲機



中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA CABLE ADDRESS: "MACHIMPORT" PEKING

25X1

25X1

Universal Semi-automatic Thread Rolling Machine

25X1

Model

Threads are rolled through two rollers with thread cuts. On account of the radial pressure produced on approach of the rollers, the same thread cuts on the surface of the rollers are rolled onto the surface of the workpiece which is placed in special chucks and between rotating rollers. Instantaneous tangential push forces make the workpiece rotate, and threads similar to those on the rollers are then rolled onto the whole surface of the workpiece.

Roller speeds are adjusted through interchangeable gears. Spindle head feeds are effected through a cam and adjusted by means of interchangeable gears.

The machine operates in either semi-automatic or automatic sycles in conformity with the contour of the cam. Under the first instance, the feed movements of the spindle head are automatically stopped after the rolling operation is completed.

Individual motor drive is provided for the machine.

SPECIFICATIONS

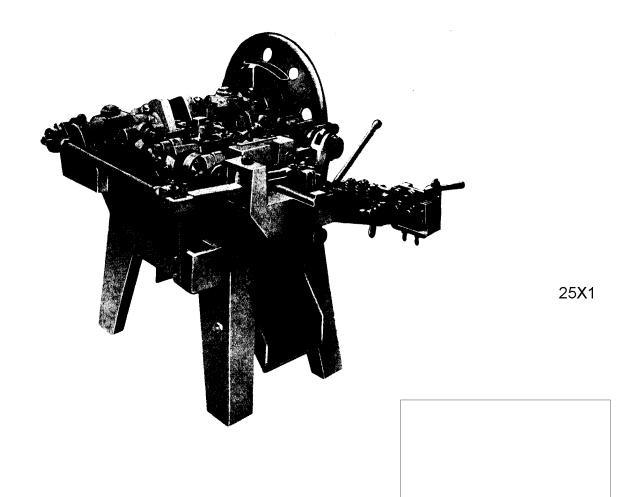
	Distance, chuck face to center line of spindle		• • •			220 mm
	Distance between spindles, minimum and maximum					90 - 150 mm
	Diameter rolled, minimum and maximum					6 - 33 mm
	Maximum pitch of thread					2.5 mm
	Maximum length of thread					40 mm
	Diameter of rollers, minimum and maximum					90 - 105 mm
	Maximum travel of movable spindle head					
	Spindle speeds					
	Range of feed cam speed					•
	Range of feed, per revolution of workpiece					
	Drive, 3 phase, A.C. motor:					
ij,	P ower					32 KW
	Speed					
	Overall dimension (lenth x width x height)					•
	Net weight					
		••	•••	•••	•••	approx. 625 kg

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

自動制釘機

25X1

AUTOMATIC NAIL MAKING MACHINE



中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

25X1

WIRE STRAIGHTENING:-

Wire is drawn from a wire coil, which is mounted on the wire stand. One of the chief features is its simple adaptability to wire coil of any diameter and tension. By simply moving the revolving board, the 4 struts of the frame can be automatically adjusted to any required diameter and tension. Pull out locking pin under the frame to enable the latter to bend vertically down; put on the coil, raise up frame, and lock it again with the pin. This will eliminate to a large extent entanglement of wire resulting from quick pullings. Should wire become entangled during drawing, move lever to separate roller and cam (attached to the end of cam shaft) to stop entanglement.

By turning crank shaft in arrow direction, the wire gets straightened as it passes through a train of 8 rollers.

The machine is provided with nail length adjusting bolt.

WIRE FEEDING:

The wire is held by grip dies and passes through wire guide to the dies chamber containing a movable and a stationary dies. The movable die is capable of sliding left and right by means of the cam to give to wire a proper tension, whereas, the stationary die is equipped with adjusting bolts. Movable die should contact stationary die when the former is being tightened by bolt at the highest strength. Dies should be adjusted according to the diameter of wire, and the centre of dies in alignment with that of the wire; and, for this purpose, a bolt is fitted.

WIRE CUTTING:-

A motor is used to drive through V-belt the crank shaft, which, in turn, actuates the header back and forth through the connecting rod, enabling the punch of the header to strike the wire top forming the nail head. The punch is fastened on header by two bolts, adjustable by special nut. The feeding device forwards wire at regulated length, while two cutters, in line with the wire, point the finished nail, cut it off at right angle, and eject same at each revolution of crank shaft. At the same instant, the shearing device shears off the surplus metal, and the pressing tongue forces the nail out of the machine.

MAJOR FEATURES:-

- 1. Number of rollers increased from 5 to 8 for better straightening of wire.
- 2. Shearing device and pressing tongue ensure high efficiency in the production of perfect nails.
- 3. Operation is simple and easy even for beginners.
- 4. A safety pin fitted between fly wheel and crank shaft automatically breaks up the wire and instantaneously stops the machine.

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Туре	Length	Wire	Power required	Speed rpm.	Capacity pcs./min.	Weight (approx.)	Overall dimension (L×W×H)	Shipping Measurements
DC 2	3/4"-2"	BWG. 12-17	3 HP. (380 V. 3-phase Motor driven)	1440	400	Net. 800 kg. Gross 850 kg.	1600×1000 ×1100 mm.	1650×1050 ×1150 mm.
DC 4	2½"-4"	BWG. 8-11	5 HP. (Line shaft driven)	1440	300	Net. 2000 kg. Gross 2100 kg.	2000×1700 ×1200 mm.	2050×1750 ×1250 mm.

25X1

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LEIPZIGER STR. 112 W8

CABLE: CNIEC BERLIN

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25 Tai Ping Road South

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25X1

25X1

DRILL BIT FORGING MACHINA

MODEL 421-90



中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA CABLE ADDRESS: MACHIMPORT" PEKING

DRILL BIT FORGING MACHINE

MODEL 421-90

The machine is operated by compressed air, for hot forging of round and hexagonal steel bars. The machine is capable of various operations as: hammer forging (horizontal forging of drill bits), impact forging (piercing and enlarging of centre hole), cutting (when the upper forging table descends, the cutting edge cuts off the drill steel), press forging (when the upper forging table descends, it also sharpens the drill bit), etc.

The machine is provided with necessary dies, which can be used for forging drill steel into various forms of drill bits and shanks, as well as for repairing worn-out drill bits.

The machine can be used also in machine-shops. With special forging dies, it can be used for forging different kinds of bolts and rivets from steel bars, (size of bolts not bigger than M 30). We do not supply this kind of forging dies, but they are available if required.

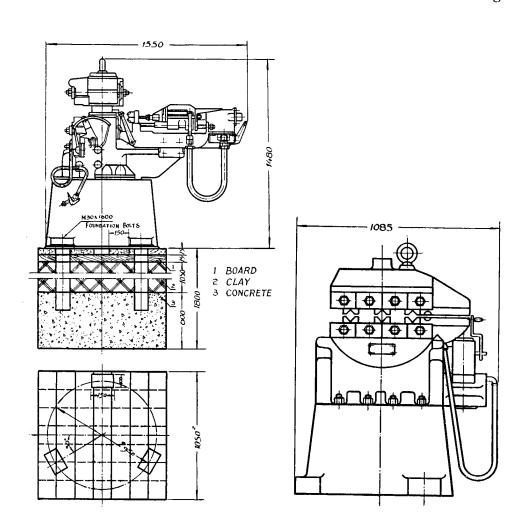
For forging shanks and drill bits, the machine is supplied with the following accessories:—

- 1) One set of forging dies for forging the collar of the drill steel.
- 2) One set of coining punch for forging the collar of the drill steel.
- 3) The coining punch for forging the drill head.
- 4) Die for reconditioning of the shank.
- 5) Needle for piercing and enlarging the centre hole of the drill.

Dimension of drill steel		•				22×25.4	mm
Dia. of drill bit						. 90	mm
Max. dia. of steel bar .						. 50	mm

Capacity:

Forging of new drills 60 pcs/hr.
Reconditioning of drills 60-100 pcs/hr.
Forging of shanks 60- 80 pcs/hr.
Dia. of inlet air pipe
Air pressure
Max. forging and cutting capacity 10,300-14,200 kg.
Air consumption
Movement of verticle table 90 mm.
Overall dimension $(L \times W \times H)$ $1550 \times 1085 \times 1480$ mm.
Net weight of machine



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

25X1

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CANTON OFFICE: No. 2, West Bund Road, Canton

Cable Address: MACHINERY Canton



中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOW, SHIH-CHIAO, PEKING (HINA

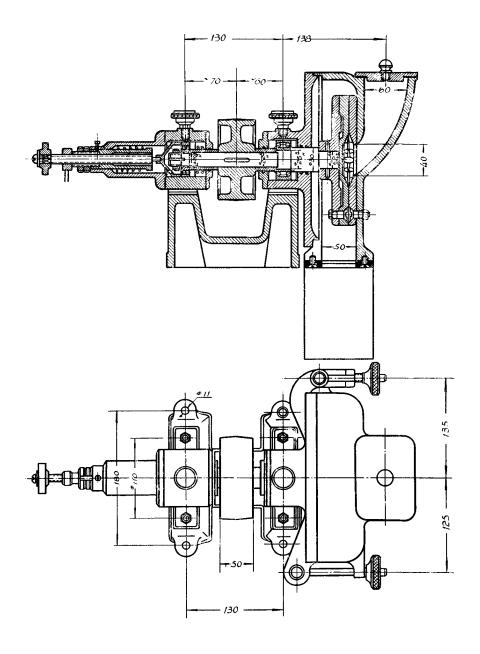
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DISC DISINTEGRATOR

Model 822-175

This disintegrator is suitable for fine grinding of various kinds of ores in the laboratories. The main parts of the machine are the two manganese steel discs. Material is fed through the central part of the fixed disc and then by centrifugal force resulted from the high speed revolution of the other disc, it is thrown outward, crushed, and discharged from the space between the discs. The fineness of grinding is controlled by means of the adjustable tension spring. The finer is the grinding, the smaller will be the output and vice versa.

Diameter of working disc
Max. size of material to be fed 3 mm.
Max. delivery size of material crushed 0-0.15 mm.
Output (when delivery size of crushed
material is 0.15 mm)
Disc speed
Drive belt pulley (Dia. x Width) 110 x 50 mm.
Motor
Overall dimension (L x W x H) $510 \times 300 \times 400$ mm.
Net weight (excluding motor) 70 kg.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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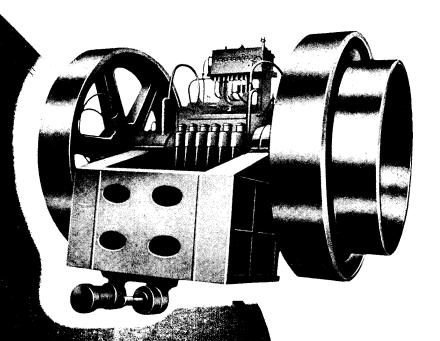
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JAW ROLLER CRUSHER

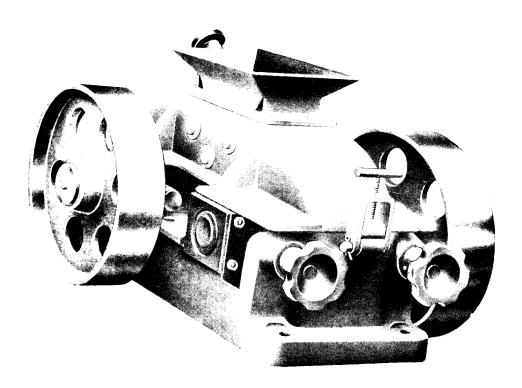
豐 式破碎机



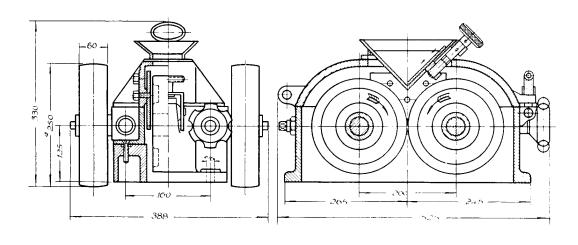
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Model $422 - 200 \times 75$



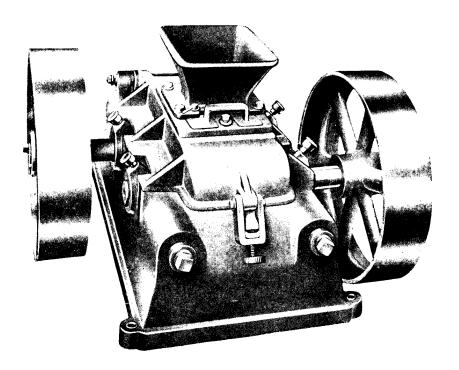
ROLLER CRUSHER (200×75 mm.)

Model $422 - 200 \times 75$

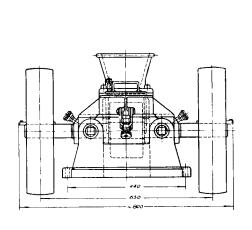
This crusher is used in laboratories for fine crushing of ores, refractory materials, and fluorspar.

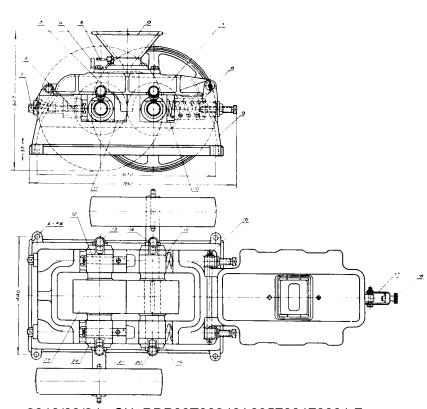
The body of the crusher is made of globular cast iron, and is very durable. The fineness of crushing is adjustable as required. The machine is light and can be easily handled. It has a suitable working capacity and is highly efficient.

Type Roller type
Crushing capacity 860 kg./hr.
Material to be crushed Max. 10 mm.
Material after being crushed Max. 4 mm.
Roller speed
Belt pulley \circ 250 \times 60 mm
Motor: Power 1 KW
Speed 1420 rpm
Overall dimension (L \times W \times H) 525 \times 388 \times 300 mm.
Weight 101 kg.



Model 422-200×125





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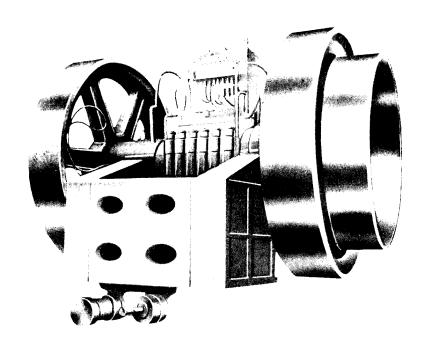
ROLLER CRUSHER (200×125 mm.)

Model $422 - 200 \times 125$

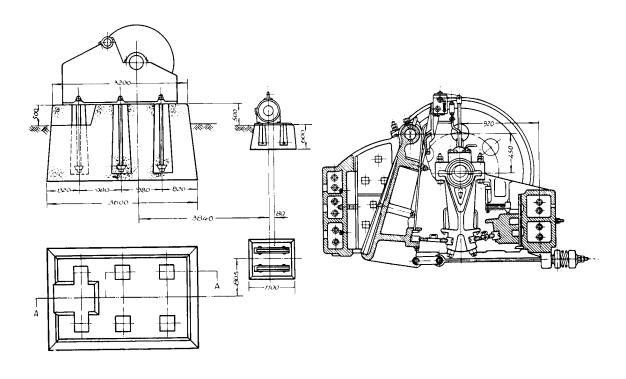
This machine crushes uniformly materials of medium hardness such as ores, coal, coke, etc., in sizes regulated through adjustment of space between the rollers. It is also suitable for laboratory purposes.

Two high carbon steel rollers, revolving towards each other, reduce whatever material that comes down from the funnel installed atop the machine cover.

Crushing capacity	•••			•••	•••	1500) kg.	/hr.
Size of rollers	•••		••		o 20	00 ×	125 г	nm.
Material to be crush	ned				• • • •	Max.	10 r	nm.
Material after being	crushed		••			Max.	4 r	nm.
Roller speed						3	00 r	pm.
Belt pulley			·· ···		φ 4 6	0 ×	105 n	nm.
Motor				•••		?	2.8 F	XW.
Overall dimension (I	$L \times W$	\times H)		780	× 8	800 ×	507 n	nm.
Weight including m	otor			•••		•••	520	kg.



Model 111-750×450



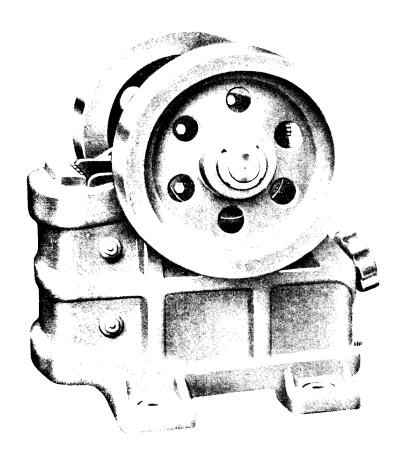
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JAW CRUSHER (750×450 mm.)

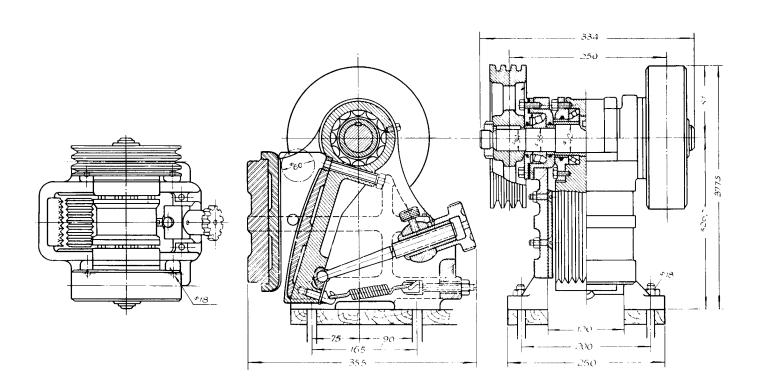
Model $111 - 750 \times 450$

This crusher is used for coarse crushing of minerals. The principal working parts are two crushing jaw plates, one of which is fixed while the other is movable. The upper portion of the movable jaw is locked and the lower portion swings. A regulating device is provided for regulating the width of the discharge opening as required. There is one flywheel on each side of the crusher; one of them serves also as a belt pulley. The movable jaw is drawn back by action of spring attached to its lower part. On both sides of the jaw, plates are provided to protect the frame of crusher.

Feed opening $750 \times 450 \text{ mm}$.
Minerals to be crushed Max. 315 mm.
Width of discharge opening 63-100 mm.
Capacity:
When discharge opening is 63 mm 35 tons/hr.
When discharge opening is 100 mm 45 tons/hr.
Main shaft speed 250 rpm.
Driving pulley (dia. \times W) 1400 \times 300 mm.
Motor:
Power
Speed 980 rpm.
Overall dimension (L \times W \times H) $2750 \times 2660 \times 1905$ mm.
Net weight 15000 kg. approx.



Model 112-100×60



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JAW CRUSHER (100×60 mm.)

Model $112 - 100 \times 60$

This Jaw Crusher is used in laboratories for coarse crushing of ores, refractory materials and fluorspar, and is mounted on a rigid working platform.

The crusher is eccentric driven, lower end pivot type. The discharge opening is adjustable. All running parts are equipped with thrust roller bearings. Three pieces of A type V-belts are used for transmission. The flywheel is mounted at the other end of the main shaft.

Feed opening			• • •		100×60 mm.								
Materials to be crushed			•••		Max. 60 mm.								
Width of discharge opening					6-10 mm.								
Capacity:													
When discharge opening													
is 6 mm	•••				230 kg./hr.								
When discharge opening													
is 10 mm					400 kg./hr.								
Main shaft speed					500-650rpm.								
Pulley diameter					217 mm.								
Motor: Power	•••	• • • •			1.4 KW.								
Speed					1450 rpm.								
Overall dimension (L $ imes$ W $ imes$	H)		335	×	334×377.5 mm.								
Net weight (excluding motor)					125 kg.								
Motor weight													



BRANCHES

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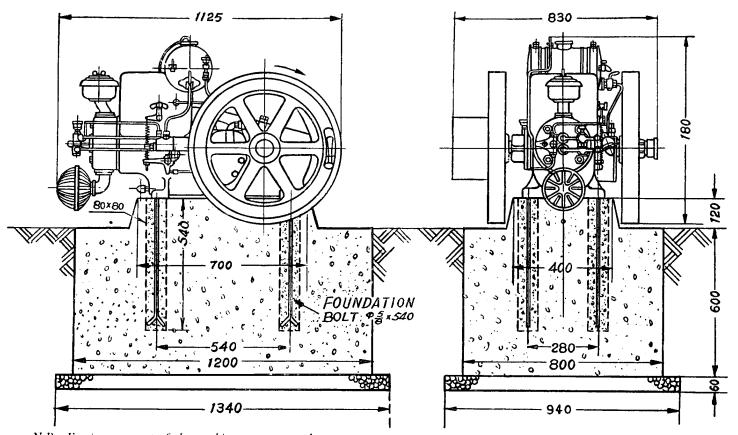
5 H.P. DIESEL ENGINE

This 5 H.P. Diesel Engine is simple and light in construction. It is portable and is especially suitable for generation of power for farm irrigation, small lighting unit, cotton-gin, oil press, sugarcane press, grain mill, etc. It is powerful and steady, easy to start and simple in maintenance. Only a short period is required to master its operation.

Туре	Horizor	ntal, sing	le cyl	inder	;, fou	ır st	roke,	pre	-com	busti	on cha	amber.
Rated Power	••••					••••		••••			5	Н.Р.
.Maximum Pov	ver	,					••••	••••		••••	5	5 <u>‡</u> H P.
Cylinder bore			••••	••••			••••				11	0 mm.
Stroke		••••					••••	••••			170	mm.
Piston displaceme	ent		••••		••••				••••		1.62	litres
Rated speed .				••••		••••					700	rpm.
Compression rat	io			••••							1	7.5 : 1
Speed regulation	n	••••			••••							4%
Belt pulley:												
Diameter .	···· ···			••••							25	0 m m.
Width				••••							10	0 mm.
Lubrication						Pres	ssure	lub	ricat	ion	and ;	grease
Fuel consumption	on								210	- 232	gr./H	I.P.hr.
Average temperat	ture of o	cooling w	ater				••••		····	••••	1	00°C.
Starting				••••				Man	ual a	nd p	aper ig	nition

En	gine Accessories:											
	Net weight									••••		380 kg.
	Overall dimension (LxWxH)	••••	••••	••••	• • • •	••••	••••	••••	11:	25x8	30x78	30 m m .

Socket wrench										••••		1	pce.
Flywheel nut wrench	,		••••					••••	••••	••••		1	,,
2 2-27 double wrench	••••	•••		••••		••••		••••		••••	••••	1	,,
32 open end wrench												1	,,
8" Monkey wrench									••••	••••		1	,,
6" Screw driver				••••							•···	1	,,
Piston ring			••••	••••	••••		••••					1	,,



BRANCHES

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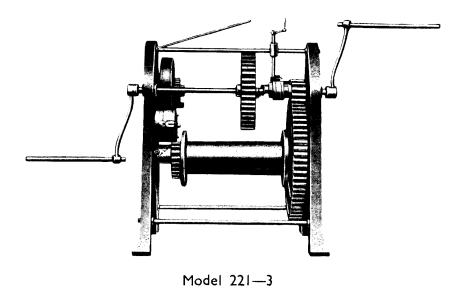
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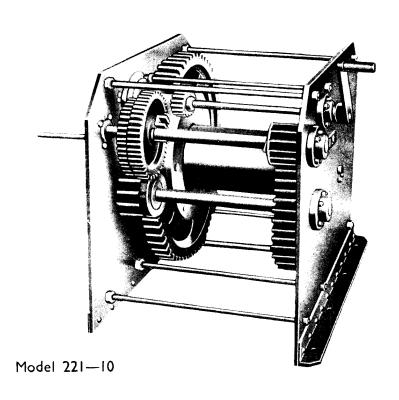
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25X1





10-TON HAND OPERATED WINCH

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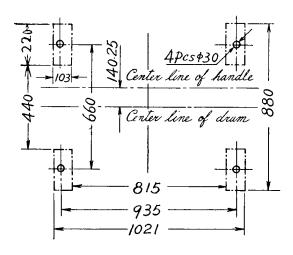
Model 221-3

This Winch is of single drum type. Owing to different reduction gear ratios, the drum is capable of two speeds.

The Winch is provided with a hand-operated band brake and a ratchet wheel, and is very handy and safe. It is portable and can be installed easily.

The Winch is provided with four foundation bolts, suitable for installation at any fixed place. Steel wire rope is not included with the machine.

S.L.P. capacity: Slow speed										3000 kg.
High speed	• • •	• • • •	• • • •						• • • •	800 kg.
Drum: Diameter	• • •	• • •			• • •	• • •		• • •	• • •	200 mm.
Dia. of flange										360 mm.
Width										574 mm.
Height of drum shaft centre line										
above ground										457 mm.
Height of handle centre line above										
ground										862 mm.
Handle length	•••					• • •				400 mm.
Speed ratio:										
Slow speed										1:22.1
High speed										1:6.1
Steel wire rope:										
Diameter										16 mm.
Length										100 m _•
Max. breaking strength										13,100 kg.
Overall dimension (L × W	×	H)				2	120	× 1	010	× 1290 mm.
•		•••								660 kg.



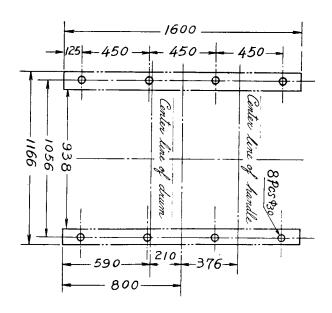
Model 221-10

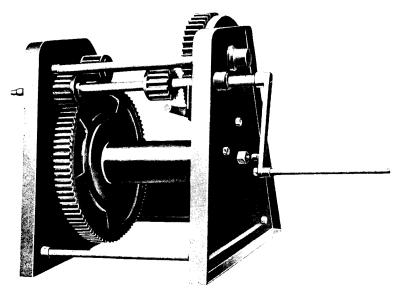
This Winch is of the single drum type. Owing to different reduction gear ratios, the drum is capable of two speeds.

The Winch is provided with a sensitive safety brake device, operated by the pressure exerted by the load.

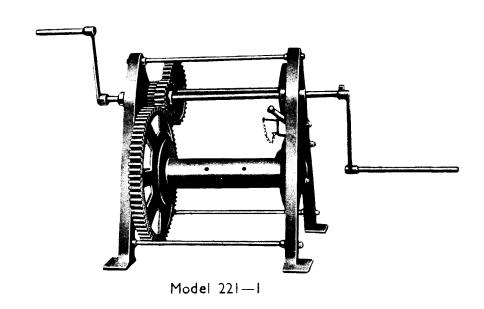
The Winch is supplied with eight 1" foundation bolts, suitable for installing in any fixed place. Steel wire rope is not included with the Winch.

S.L.P. capacity: Slow speed		•••						• • •		10	ton
High speed					• • • •	•••				5	ton
Drnm: Diameteer		•••					• • •			350	mm.
Dia. of flange	• • •				• • •			• • •		550	mm.
Width										720	mm.
Height of drum shaft centre	line	•									
above ground									• • •	610	mm.
Height of handle centre line											
above ground										1055	mm.
Length of handle		•••								400	mm.
Speed ratio: Slow speed				• • • •							68.88
High speed										1:	34.44
Steel wire rope:—											
Diameter										28	mm.
Length										100	m.
Max. breaking strength				•••			•••		•••	37700	kg.
Overall dimension (L × W								160			U
Weight	^	11)	•••	• • •	•••	419	· · · · ·	100	· X		
weight	•••	•••	•••	•••	•••	•••	•••	•••	• • •	1400	kg.





Model 221-5



I-TON HAND OPERATED WINCH

5-TON HAND OPERATED WINCH

Model 221—5

This Winch is of single drum type and is hand operated.

The Winch is provided with a hand-operated band brake and a ratchet wheel. Steel wire rope is not included with the machine.

SPECIFICATION

S.L.P. capacity: Slow sp	peed				 			• • • •	5000	kg.
High sp	peed				 	• • •			1400	kg.
Drum: Diameter				• • •	 				230	mm.
Dia. of flange					 				490	mm.
Width					 	•••		• • •	692	mm.
Handle length					 	•••	•••		$470\frac{1}{2}$	mm.
Speed ratio: Slow	speed				 	• • •			1:	22.86
High	speed				 				1 :	6.46
Steel wire rope: Dian	neter				 			• • •	1220	mm.
Leng	th	• • •			 				200-30	0 m.
Overall dimension (L	\times W	× H)		 	. 28	310×	: 1230	0×1450	mm.
Height of drum shaft co	entre lin	ie								
above ground					 • • •				510	mm.
Weight					 		•••		1100	kg.

1-TON HAND OPERATED WINCH

Model 221-I

This Winch is of single drum type. Owing to different reduction gear ratios, the drum is capable of two speeds.

The Winch is provided with a hand-operated band brake and a ratchet wheel, and is very handy and safe. It is portable and can be installed easily.

The Winch is provided with four foundation bolts, suitable for installation at any fixed place. Steel wire rope is not included with the machine.

S. L. P. capacity:										
Slow speed						 				1000 kg.
High speed						 				400 kg.
Drum:										
Diameter						 				150 mm.
Diameter of flang	e					 				340 mm.
Width						 				580 mm.
Radius of crank handl	e					 				350 mm.
Speed ratio:										
Slow speed					• • • •	 				13.2:1
High speed						 				5.4:1
Steel wire rope:										
Diameter	• • •	• • • •				 				6×9.1 mm.
Length						 				200 m.
Overall dimension (1	. ×	$W \times$	H)	• • •		 	2280) X	940	\times 1140 mm.
Weight										350 kg.

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Sanitized Copy Approved for Re	elease 2010/02/24 : CIA-RDP80T00246A035700170001-7	7
		25X1

BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)

Cable Address: MACHIMPORT Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road E I

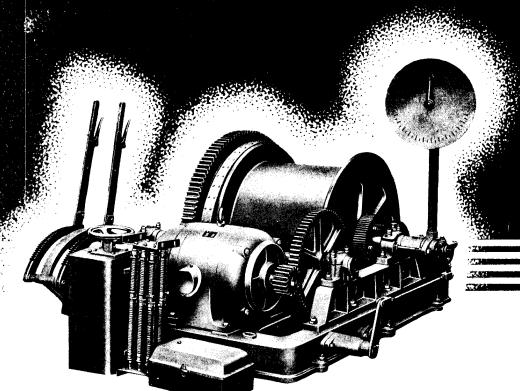
Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton

Cable Address: MACHINERY Canton

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單筒捲揚機 SINGLE DRUM HOISTING MACHINE



中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

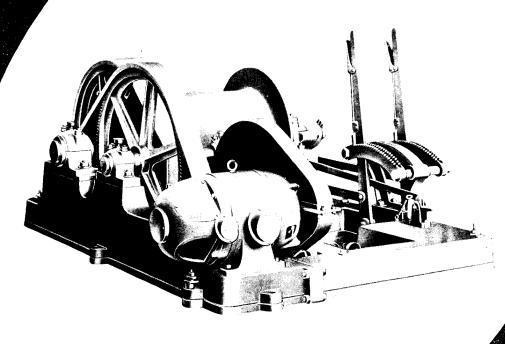
(IMPORT — EXPORT)

ER-LI-KOW. HSI-CHIAO, PEKING, CHINA

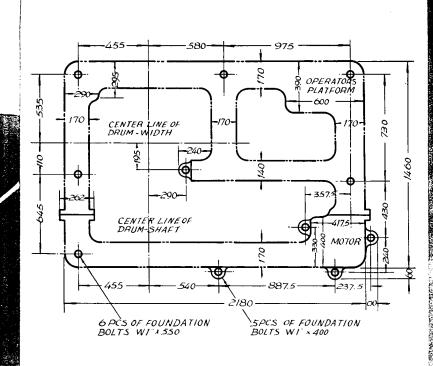
(ABLE ADDRESS: "MACHIMPORT" PEKING

25X1

Model 222-1500



IO H.P.



SINGLE DRUM HOISTING MACHINE (10 H.P.)

Model 222-1500

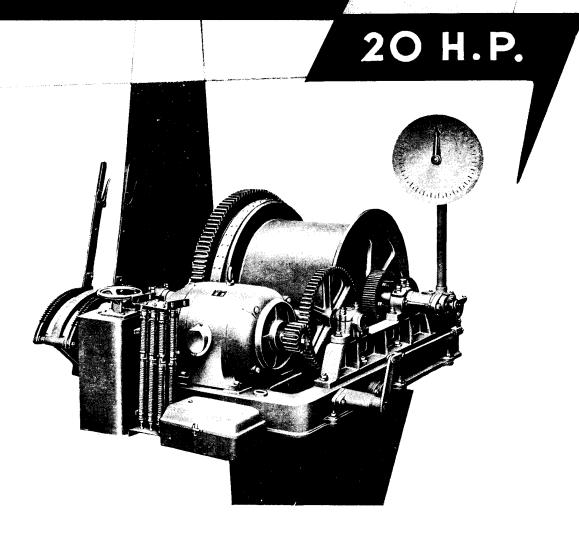
This Hoisting Machine is of the single drum type, main shaft is driven by an electric motor through three stage reduction gearing. The drum is loose fitted on the main shaft, and through couplement by means of a hand operated hard wood conical friction clutch with the transmission gears, it revolves and lifts the load,

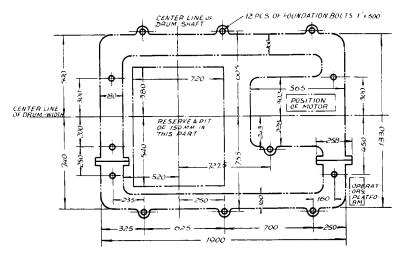
The machine is equipped with hand-operated band brake and foot-operated ratchet wheel to control the hoisting work.

The electric motor and its electric controlling equipment will be supplied with the machine in complete set.

Hoisting capacity							1500 kg.
Hoisting speed						(0.36 m/sec.
Drum: Diameter							
Dia. of flange							
Width							
Height of drum shaft centre 1							
above ground		•••					460 mm.
Speed ratio							1:119.44
Steel wire rope: Diameter							
Length							250 m.
Motor			A.	C.,	3-p	hase,	50 cycles,
			380	V., c	lrip-	proof	slip-ring,
			7.5	КW	., 4-	poles	s .
Overall dimension (L $ imes$ W $ imes$	H)		22	86 ×	(167	77 ×	1160 mm.
Weight			•••		•••	•••	2500 kg.

Model 222-900





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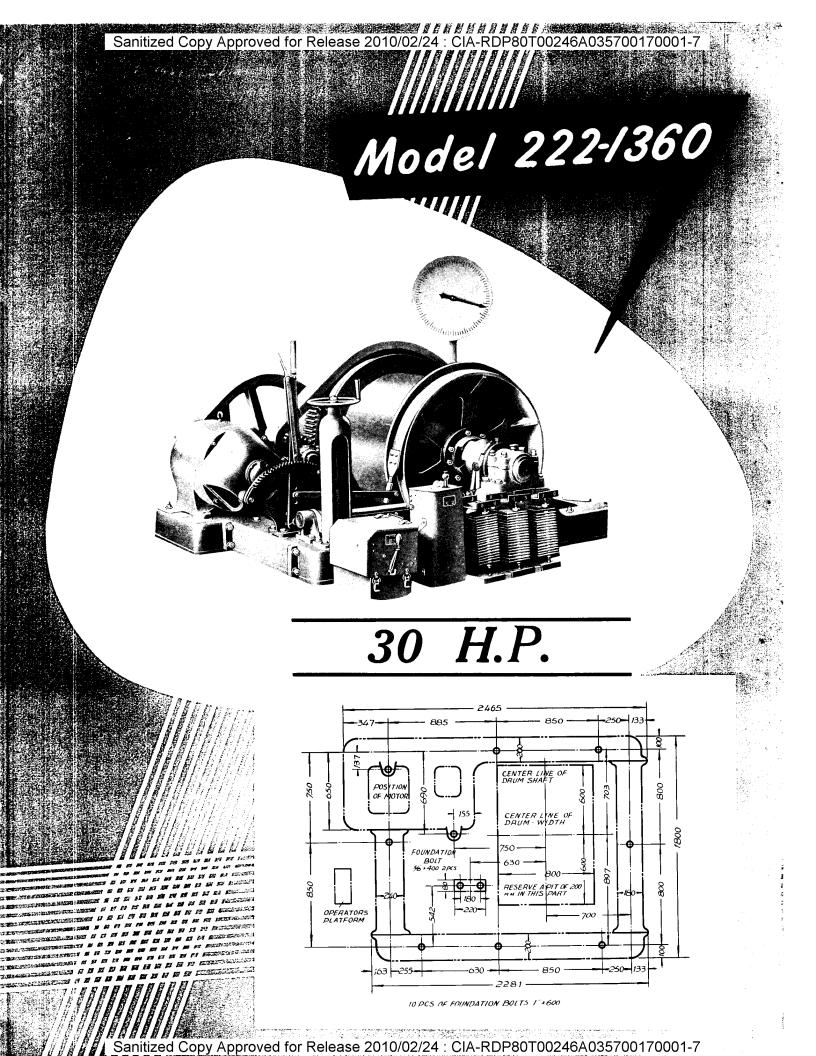
SINGLE DRUM HOISTING MACHINE (20 H. P.)

Model 222-900

This Hoisting Machine is of the single drum type; its main shaft is driven by an electric motor through two stage speed reduction gearing. The drum is loose fitted on the main shaft, and through couplement by means of a hand-operated hardwood conical friction clutch with the transmission gears, it revolves to lift load.

The electric motor and its electric controlling equipment will be supplied with the machine in complete set.

Hoisting capacity				900 kg.
Hoisting speed			1.:	25 m/sec.
Drum: Diameter				760 mm.
Dia. of flange				965 mm.
Width				600 mm.
Height of drum shaft centre lin	ne			
above ground			•••	430 mm.
Speed ratio			•••	1:32
Steel wire rope length				300 m.
Motor		A. C.,	3-phase,	50 cycles,
		380 V., d	drip-proof,	slip-ring,
		15 KW.	, 6-poles.	
Overall dimension (L \times W \times E	I)	1900 ×	1598 × 1	420 mm.
Weight			•••	2200 kg.



SINGLE DRUM HOISTING MACHINE (30 H.P.)

Model 222—1360

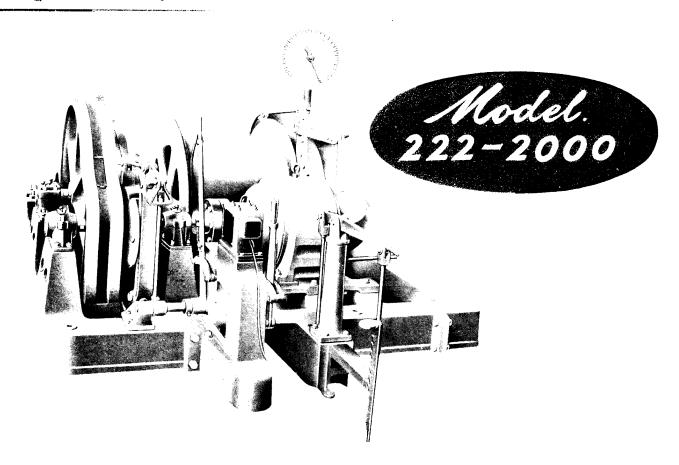
This Hoisting Machine is of the single drum type. The main shaft is driven by an electric motor through two stage reduction gearing. By means of clutch coupling, the hoist drum can be coupled with the main driving shaft, and lifts the load.

The machine is equipped with hand-operated band brake to control the hoisting work, a dial indicator is provided to show the position of the loads.

The electric motor and its electric controlling equipment will be supplied with the machine in complete set.

Hoisting	capacity									1360 kg.
	speed									1.26 m/sec.
	Diameter									915 mm.
	Dia. of	Hange	• • •		• • • •	• • •				1170 mm.
	Width									760 mm.
Height o	f drum s	haft c	entr	e lin	ie					
abov	e ground	l								500 m m.
Speed ra	tio								• • •	1:29.55
Steel wir	e rope:	Diam	eter						16 m	$m. (6 \times 19)$
										450 m.
Motor	•••	• • •					A. C	., 3-	phase	e, 50 cycles,
						380	V.,	23	K. W	., 8 poles,
						drij	o -pr o	of, s	quirre	el-cage type.
Dimensio	on $(L \times V)$	$W \times F$	I)			•••	2465	\times 2	2020 >	< 1720 mm.
Weight		• • • •	• • •	•••	•••		•••	•••	•••	2700 kg.

75 H.P.



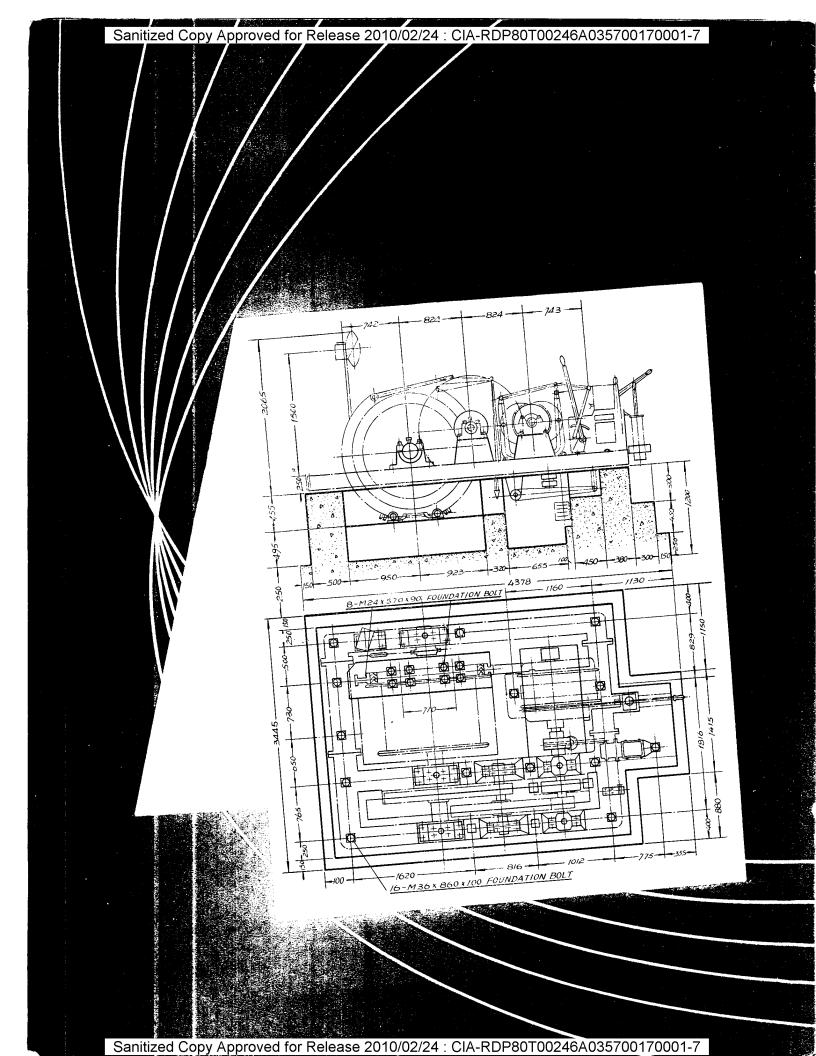
This Hoisting Machine is used for general hoisting service in mines.

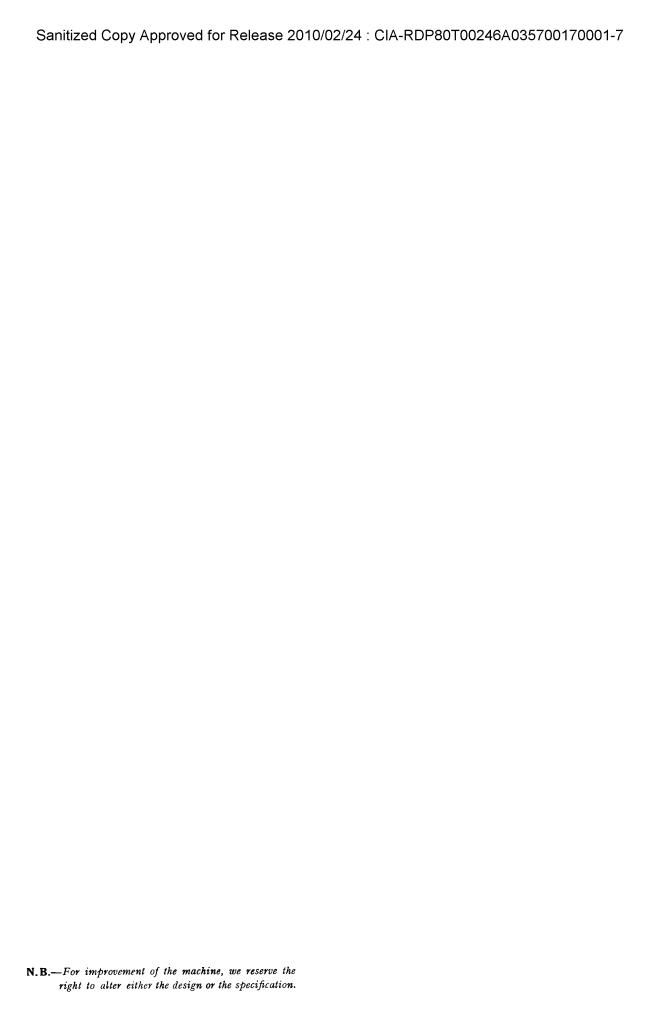
The machine is provided with a depth indicator, which will indicate the position of the load at any time. A foot brake and an electric brake are also installed. In case of emergency, it will stop automatically.

The electric motor and its electric controlling equipment will be supplied

with the machine in complete set.

ty		•••	•••	•••			•••		2000 kg.
				•••	• • •	•••		1	30 m/min.
		•••					• • •		960 m.
er									1220 mm.
				• • •		•••			915 mm.
•••				980	m.	$(6 \times$	19	+ 1	20-160)
					•••				55 KW.
Type									AK-92 - 8-55
Speed	l	•••		•••					750 rpm.
Volta	ge								220/380 v.
Frequ	ienc	v							50 cycles
ion (L	×	Ψ×	H)		47	$48 \times$	306	$55 \times$	2065 mm.
•									8000 kg.
	Powe Type Speed Volta	Power Type Speed Voltage Frequence ion (L ×	Power Speed Voltage Frequency ion (L × W ×	Power	Power	Power	Power	Power	Power





BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)

Cable Address: MACHIMPORT Tientsin

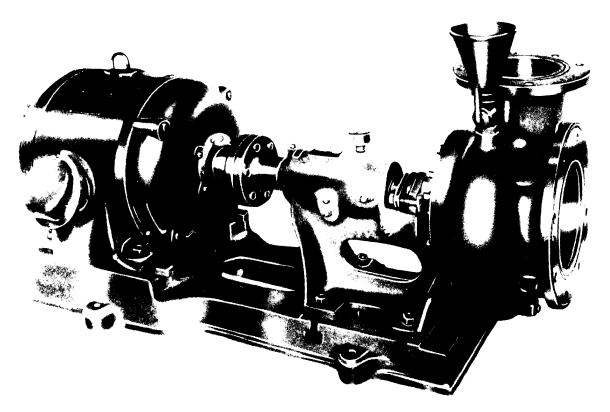
SHANGHAI OFFICE: 27 Chung Shan Road E I

Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton

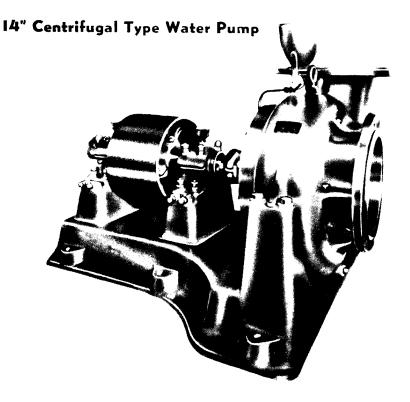
Cable Address: MACHINERY Canton

器心式油水机 Water Pump Centrifugal Type



中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

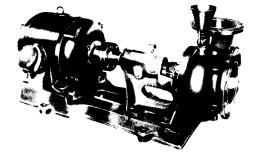


INTRODUCTION

Water pump is a kind of Machinery for pumping water from a lower level up to a higher level. Mines, Factories, Fundamental Constructions use water pumps for transporting water, supplying water and displacing water. Agricultural productions also utilise water pumps to fight against nature disasters.

There are many kinds of Water Pump, but the most effective and of widest usage ones are the Centrifugal Type Water Pumps. The main advantages of the Centrifugal Pumps are as follows:

- (1) Simple and strong construction.
- (2) Low cost of manufacture.
- (3) Easily transportable.
- (4) Easy handling and operation.
- (5) Low cost of maintenance
- (6) Stoppages and non-functioning can hardly occur.
- (7) High pressure and great capacity.



Centrifugal Type Water Pump with Motor

TABLE FOR ACCESSORIES

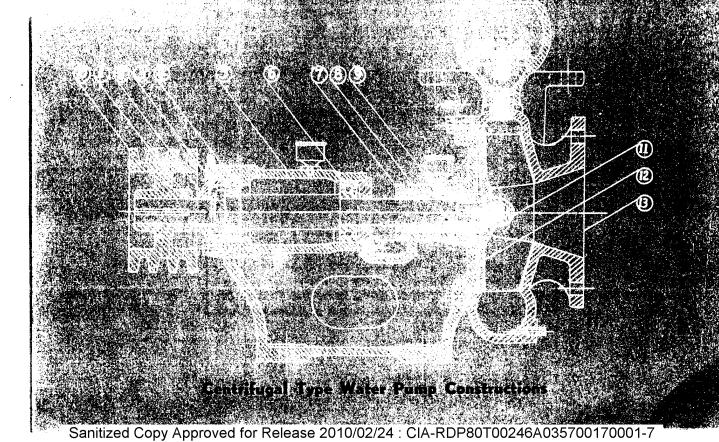
Part No.	Nomenclature	Material	No. of Pcs.	Remarks
1	Main Shaft	Mild Steel	1	
2	Bush Cover	Cast Iron	ı	
3	Bush Check Nut	Mild Steel	1-2	
4	Ball Bearing	Hard Steel	1	Single Roll or Double Roll
5	Housing	Cast Iron	ı	
6	Ball Bearing	Hard Steel	ı	Single Roll
7	Stuffing Box Cover	Cast Copper	ı	
8	Packing	Asbestos	3-4 Rolls	
9	Water Seal Ring	Cast Copper	ı	
10	Priming Cup	Cast Iron	I	
11	Priming Cock	Cast Copper	ľ	
12	Impeller Key	Mild Steel	ı	
13	Impeller Nut	Cast Copper	ı	
14	Impeller	Cast Copper	1	
15	Pump Casing	Cast Iron	ı	
16	Stuffing Box Liner	Cast Copper	. 1	
17	Sheaves	Cast Iron	Į.	
18	Sheaves Key	Mild Steel	1	
Α	Rear Bearing Oiling Screw	Mild Steel	ı	
В	Middle Oiling Screw	Mild Steel	f	
С	Front Bearing Oiling Screw	Mild Steel	ı	
D	Water Seal Screw	Mild Steel	1	
E	High Pressure Water Seal Screw	Mild Steel	1	
F	Standard Oiling Bevel Screw	Mild Steel	ı	
G	Oil Drain Cock	Mild Steel	1	
Н	Stuffing Box Water Drainage Cock	Mild Steel	ı	
Κ	Pump Casing Drainage Cock	Mild Steel	ı	

Centrifugal Type Water Pump Size and Its Chara
--

Pump	Dia	Diameter		R.P.M.	Gal./	Total Head	Net Wt.	Equipments
Size	Inlet	Outlet	H.P.		Min.	In Ft.	Kg.	Equipments
2''	2½"	2"	3	1800	200	30	47	
3''	4''	3''	5	1800	350	40	79	Ø 4" Suction Valve I piece Ø 4" 90° Elbow I piece
4"	5''	4''	8	1500	500	60	127	Ø 5" Suction Valve I piece Ø 5" 90° Elbow I piece
5''	6''	5"	15	1500	600	60	154	ø 6'' Suction Valve I piece ø 6'' 90° Elbow I piece
6"	8''	6"	20	1400	800	60	217	Ø 8'' Suction Valve I piece Ø 8'' 90° Elbow I piece
8"	10"	8"	25	1000	1500	50	331	Ø 10'' Suction Valve I piece Ø 10'' 90° Elbow I piece
10"	12''	10''	30	900	2500	50	574	Ø 12" Suction Valve I piece Ø 12" 90° Elbow I piece
12"	12"	12"	35	900	3500	40	689	Ø 12'' Suction Valve 1 piece Ø 12'' 90° Elbow 1 piece
14''	14"	14''	40	680	4200	30	1335	Ø 14" Suction Valve I piece Ø 14" Elbow I piece
16"	16"	16"	55	600	6000	30	1795	Ø 16" Suction Valve I piece

The Construction of the Water Pump of Centrifugal Type

The constructions of various specifications of the Centrifugal Water Pump manufactured by the factory are all in one of the same shade. The following drawing is one the recent production:



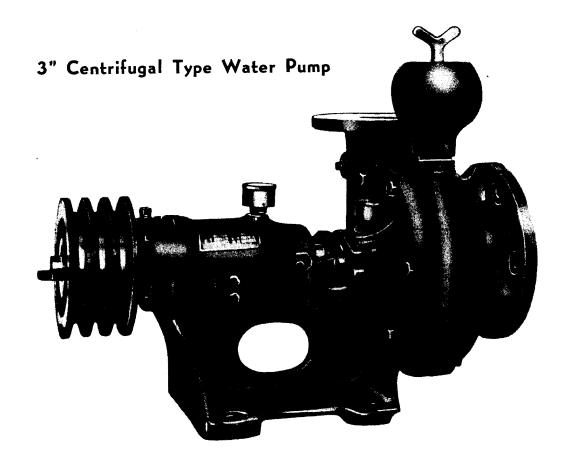


TABLE FOR "V" BELT DRIVEN

Pump	H.P.	R.P.M.	4	"	6		Sheave 8'	,	- Carrielle	or which	
Size	11.11.		V Belt Speed Ft.	No. of Belt	V Belt Speed Ft.	No. of Belt	V Belt Speed Ft.	No. of Belt			
2"	3	1800	1800	B-2	2700	В-1	3600	A-2			
3"	5	1800	1800	В-3	2700	B-2	3600	А-з			
4"	8	1500	1500	C-3	2200	B-4	3000	A-4			
5"	15	1500	1500	C-4	2200	C-3	3000	B-5			
6"	20	1400	1400	C-5	2100	C-4	2800	C-3			
8"	25	1000	1000	D-5	1500	C-7	2000	C-5			
10"	30	900	900	D-6	1350	D-4	1800	D-3			
12"	35	900	900	D-7	1350	D-5	1800	D-4			
						ė.					
					4.1						7
					8	7					

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BRANCHES

TIENTSIN OFFICE: 171 Chine Shien Road (Ho Si District)

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SHANGHAI OFFICE: 27 Chung Shan Road El

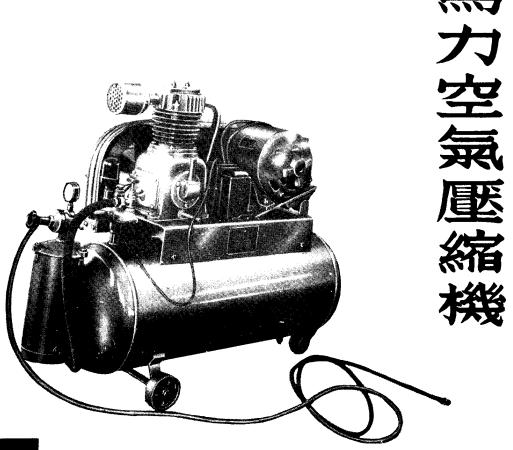
Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton

Cable Address: MACHINERY Canton

25X1

25X1



3 H.P.

AIR COMPRESSOR

中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

IMPORT — EXPORT

ER-LI-KOW, HSI-CHIAO, PEKING, CHINA

(ABLE ADDRESS: "MACHIMPORT" PEKING

3 H.P. AIR COMPRESSOR

This is a single-cylinder, vertical, air-cooled compressor. Capacity 22 cubic meters free air per hour to pressure of 6 atmospheres.

The machine is driven through V-belt by a 2.2 KW. motor, mounted on a horizontal air reservoir of 150 litre capacity. The unit is easy to move around as it is fitted with wheels.

The flywheel also performs as a fan, effecting cooling efficiently. The crankshaft is fitted with ball bearings, ensuring smooth running. Lubrication is performed by the rotary crankshaft carrying the lubricating oil from the crank case to all the rotating parts.

A pressure gauge and a spring safety valve are fitted onto the air reservoir. When a pre-regulated pressure, range 4 to 6 atm. at will, is exceeded, the machine will be stopped automatically. A filter is provided for filtering exhaust air and a pressure regulating valve for regulating the exhaust pressure.

This machine, as the main source of supply of compressed air in workshops, is used for driving various kinds of pneumatic tools for spraying lacquer, cleaning machines, etc.

Intake Capacity:

22 m³/hr. (775 ft³/hr.)

Pressure

6 atm. (85 lbs/in²)

Speed

650 rpm.

Motor:

Type A. C., 3-phase, Induction type.

Power 2.2 KW.

Speed 1400 rpm.

Voltage 220/380 V.

Frequency 50 cycles

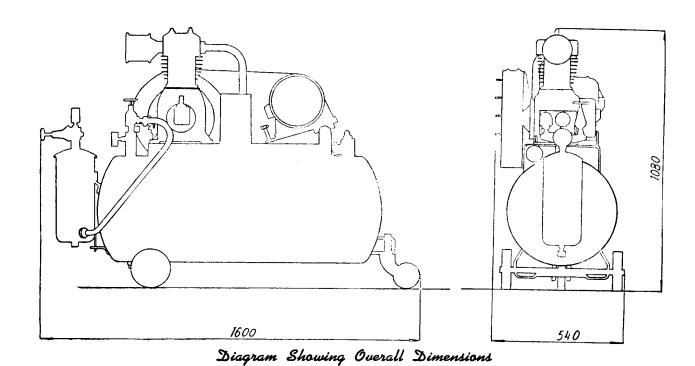
Air Reservoir:

Capacity 150 litres

Pressure 10 atm.

Overall dimension (LxWxH) 1600x540x1080. mm.

Net weight 243 kg.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)

Cable Address: MACHIMPORT Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road E1

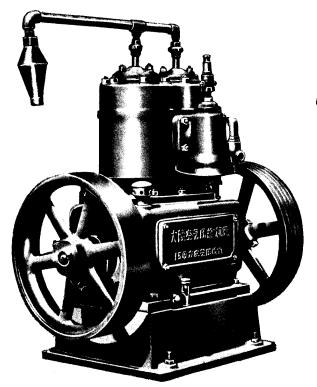
Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton

Cable Address: MACHINERY Canton



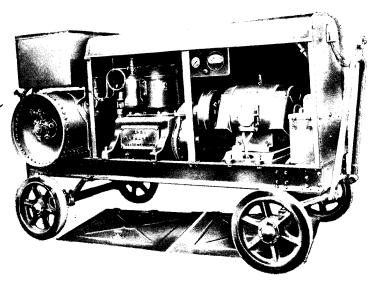
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Stationary Type Stationary Type Str Compressor

15 馬力空氣压缩机
(固定式)

Portable Type
Air Compressor



15馬力空氣压縮机(移動式)

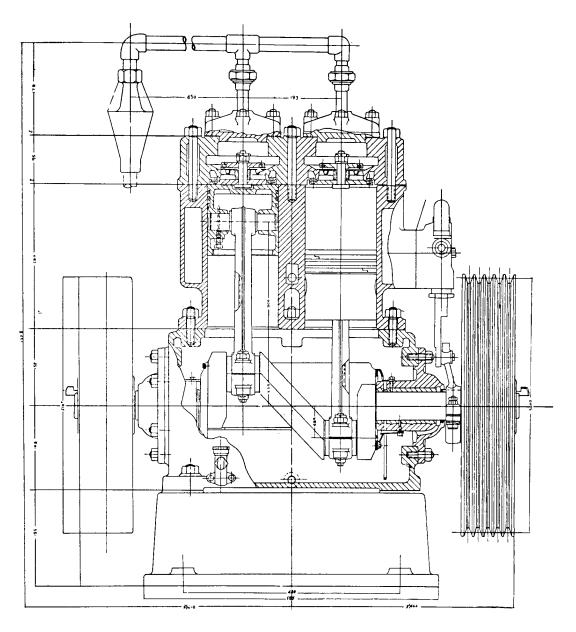
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15 H.P. AIR COMPRESSOR

(Stationary or Portable Type)

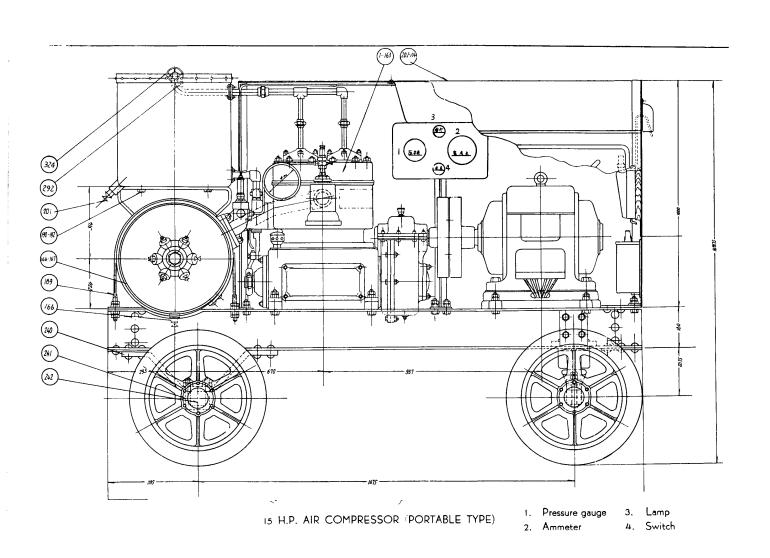
A.	SPECIFICATI	ONS	; ;															
	Туре:		•••					•••		Ve	rtica	l, tw	o-cyl	inder,	sing	le-acti	ng, wate	er-cooled.
	Intake Capaci	ty	•••				•••	•••	•••	•••					•••			m^3/min .
	Air Pressure				•••			•••	•••		•••	•••					7	kg/cm^2
	Cylinder dia.	•••		•••	• • • •	•••		•••	•••	•••			•••	•••	•••	•••	140	mm.
	Stroke	•••	•••		•••	•••	•••	•••				•••	•••	•••	•••	•••	127	mm.
	Speed		•••			•••	•••		• • •	•••	•••	•••	•••	• • •	•••	•••	500	rpm.
	Number of St	-	•••	•••	•••	•••	•••	•••	•••	•••	• • •	•••	•••	• • • •		•••	1	
	Dia. cf Exhau			•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••		mm.
	Nett Weight	•••	•••	•••	•••	•••	•••	•••	•••	•••		•••	•••	•••	•••	•••	406	kg.
	ELE	CTRI	СМ	ОТС	R													
				9	Static	nary									Po	rtable		
	Туре 3-р	nase i	nduct	tion c	dripw	ater-p	oroof	squir	rel ca	age.	3-р	hase	induc	tion	dripw	/ater-p	roof squ	irrel cage.
	Power 12											KW				•	r	_
	Voltage 220	-380	٧.	·							22	0-38	o V.					
	Speed 150	Огр	m.								95	O rp	m.					
	AIR	TAN	K							_								
										Stati	onar	У				Pc	ortable	
	Inner dia	metei		•••	•••		• • • •		•••	720	mm					49	90 mm.	
	Height (or Le	ength)	•••	•••	•••	•••	•••	•••	1219	mm	•				1219	.2 mm.	
	* Po	rtable	e typ	e is	supp	lied ·	with	6 di	stribu	iting v	alve	s for	sund	dry c	onne	ctions.		
		FK	BOX															
	Length	•••	•••	•••	•••	•••	• • •	•••	•••	-	-					110	O mm.	
	Width	•••	•••	•••	•••	•••	•••	•••	•••	_	_						O mm.	
	Height	•••	•••	•••	•••	•••	•••	•••	•••	_	_					5C	OO mm.	
	BEL	T PL	JLLE'	Y														
	Diameter				•••		•••		•••	510	mm							
	Width					•••		•••		105	mm						-	
		OOV	ED V	(HEI	ΞL													
	Diameter	•••	•••	•••	•••	•••	•••	•••	•••		· mn							
	Width	•••	•••	•••	•••	•••	• • •	•••	•••	107	mn	١.						
	* It	is ge	ar co	nnec	tion	for p	oortal	ole ty	/pe.									
	OVERALL DIMENSIONS																	
	Height	•••		•••						1100	mr	n.				160	92 mm.	
	Length	•••	•••	•••		•••	•••		•••) mi						70 mm.	
	Width							•••	•••) mi					130	O mm.	

Sanitized Copy Approved for Release 2010/02/24 : CIA-RDP80T00246A035700170001-7 1. Air Compressor ── 去四風期 2. Air Suction Valve Water Pump 4. Pressure Gauge 5. Safety Valve 6. Air Tank 7. Electric Motor 8. V - Belt 6 Approx. 1300^美 1 **®** Pressure Gauge ④ 壓力計 ⑤安全氣門 Safety Valve



15 H.P. AIR COMPRESSOR (STATIONARY TYPE)

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Sanitized Copy Approved for Release 2010/02/24 : CIA-RDP80T00246A035700170001-7 INSTRUCTION NOTES FOR SAFE OPERATION

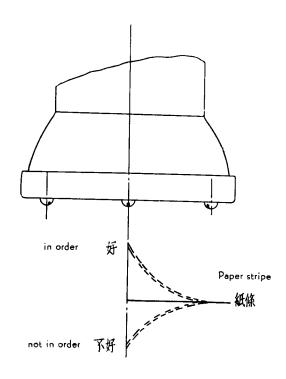
OF THE 15-HP AIR COMPRESSOR

A. NOTES FOR INSTALLATION.

- 1. The air compressor is most effectively operated with clean, dustless, dry, and cool air. It is therefore important to see that it is not installed in the vicinity of a boiler or where there is apt to be fly ashes.
- 2. The air compressor should be installed on firm and level foundation for the best reliability during operation.
- 3. For installation of the air compressor, the air tank, and the electric motor, please refer to diagram (2).

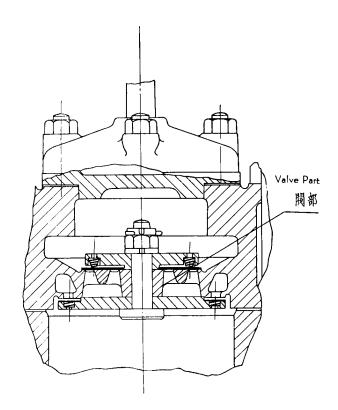
B. POINTS TO BE NOTED DURING OPERATION.

- 1. Before operation, turn the compressor several times slowly to see that everything is in good order.
- 2. Before starting, see that the lube oil tank is filled up to the 43 mm-mark. (For portable type, to the 30 mm-mark.)
- 3. Adjust the nut on the safety valve and the return valve for proper amount of pressure. See that the valves can operate freely.
- 4. Check the temperature on the cylinder wall after starting. Temperature of the cooling water should be maintained at below 35°C. (At no time it should exceed 40°C.)
- After starting, listen carefully if there is any unusual noise in the compressor. In case it does, it should be stopped and examined.
- 6. With a piece of paper placed near the inlet end, see if there is any serious air leakage. Any discovery of unusual conditions warrants stopping the compressor for examination. (Diagram 4).
- 7. Note the air tank pressure when the air compressor is stopped. If there is any unusual loss of pressure, see if all the connections are properly made and if there is any damage to the discharge system.
- 8. Examine if there is any loose part in the air compressor. Any defection should be corrected immediately.



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- 1. Clean the bottom of the air tank daily of any entrained oil.
- 2. Provide additional oil whenever the oil falls below the 43-mm mark. (For Portable Type, 30 mm.)
- 3. Clean the trough once every month. Minor machanical parts should be given an overhaul bi-monthly; a major overhaul every half-year.
- 4. When the air compressor is not in service during winter season, it should be drained of all the cooling water.
- 5. Clean the discharge port every half-month. (Diagram 5).
- 6. Whenever the air compressor is stopped, the suction end should be plugged up to prevent accumulation of dirt.
- 7. Refer to diagrams provided when changing valves, valve springs, piston rings, etc.

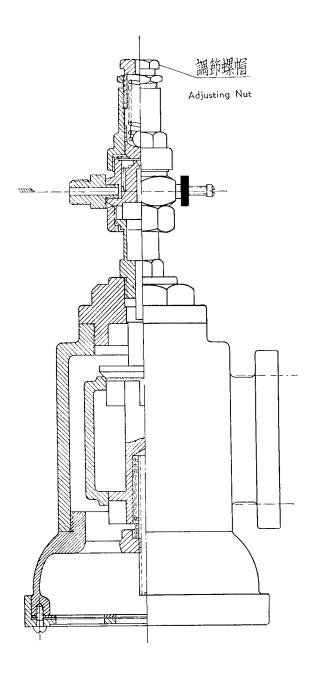


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AIR RETURN VALVE

The function of the air return valve is to properly regulate the compressor load during operation, to prevent uneconomical loading of the unit. Whenever the tank air pressure reaches a pre-determined value, the air return will operate automatically to close the inlet port, and in this way the load on the air compressor is reduced. When the tank air pressure falls below the normal setting, the return valve closes automatically. This automatically permits loading of the air compressor. For this reason, the valve spring on the air return valve should be properly set according to the required pressure in the air tank.

Method for readjustment of the valve spring is exceedingly simple. This can be accomplished by merely tightening or loosening the adjusting nut on top of the return valve. If the return valve opens too readily, the nut should be tightened or loosening if the opposite effect is desired.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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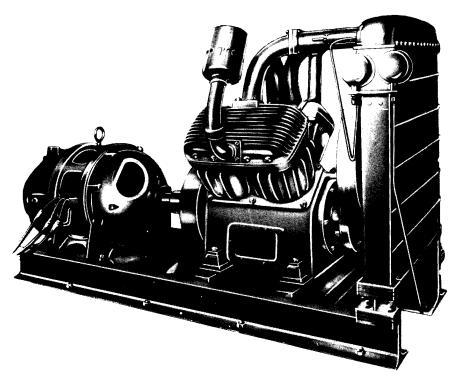
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空氣壓縮機

6/5/57

中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA

(ABLE ADDRESS: "MACHIMPORT" PEKING

AIR COMPRESSOR

MODEL 1-6/7

This Air Compressor is of two-stage, four-cylinder, V-construction, single acting, air cooled type. Capacity 6 cubic meters free air per minute to pressure of 7 atmospheres.

It is driven by a direct-coupled 40 KW. motor. The compressor, motor, and intercooler are all mounted on a frame work, equipped with manometer and safety valve.

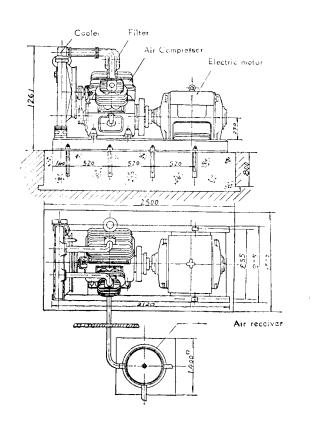
Air cooling of cylinder is effected by fans. Lubrication by splash method. Air receivers are of two sizes, namely: 0.25 cubic meter and 1.31 cubic meter respectively; any or both of them may be equipped if required.

The machine is suitable for use in building construction works, mines and workshops to supply energy to pneumatic tools.

No. of cylinders:	1st stage	•	•	•	•	•		2
	2nd stage			٠	٠	•		2
Cylinder bore:	1st stage		•	٠	•		•	230 mm.
	2nd stage					•	٠	135 mm.
Stroke:		•						120 mm.
Intake capacity:								6 m³/min.

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Pressure:	1st stage	•	•		•		2 atm.
	2nd stage	•	-		•		7 atm.
Power required		•	•		٠	5	2 H.P.
Speed			,	•	•	730) rpm.
Motor:	Power .		,			40) KW.
	Speed .				•	730) rpm.
Overall dimension (L) (including motor		•	•	•		2120x905x126	1 mm.
Net weight (including motor						. 13	60 kg.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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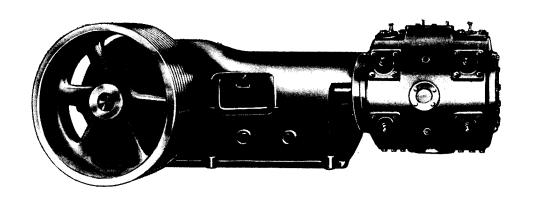
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Air Compress 空氣压縮机



中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT - EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING

'MACHIMPORT" PEKING 25X1

AIR COMPRESSOR

This Air Compressor is of single cylinder, double acting, horizontal, water cooling type. Capacity 12 cubic meters free air per minute to pressure of 7 atmospheres.

It is advisable to supply cooling water by coolant pump, but pipe water may also be used. Lubrication of the various parts of this machine by means of splashing and injection. Supplied with automatic pressure regulating device, the compressor being economical in the consumption of power and ensuring safety against excessive pressure in air receiver.

The machine is used in mines, civil engineering works and industrial plants, wherever compressed air is needed for pneumatic tools.

No. of cylinder	••••	••••		 		 	1
Cylinder bore				 		 	350 mm.
Stroke	••••		••••	 	••••	 	300 mm.
Intake capacity				 		 	12m³/min.
Pressure				 ••••		 	7 atm.
Power required		••••		 		 	100 H.P.
Speed				 		 	290 rpm.
Motor recommend	ed:	Pow	er	 	••••	 	80 KW.
	(Snee	ad.				720 rpm

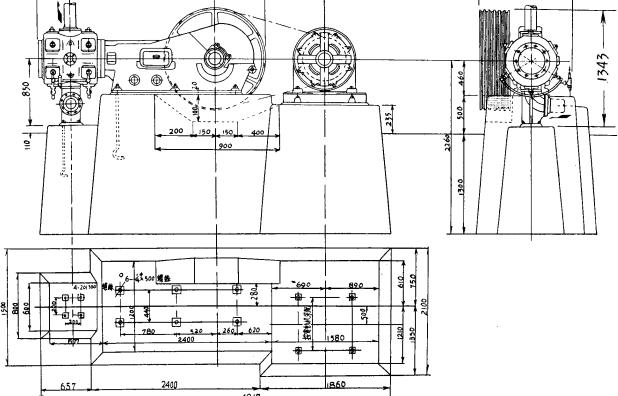
Overall dimension (LxWxH) 2809 x 1250 x 1343 mm. (not including motor)

Net weight 2800 kg. (not including motor)

Weight of heaviest piece 890 kg.

--- 1250 --

(12 立方公尺) 3487 1917 1570



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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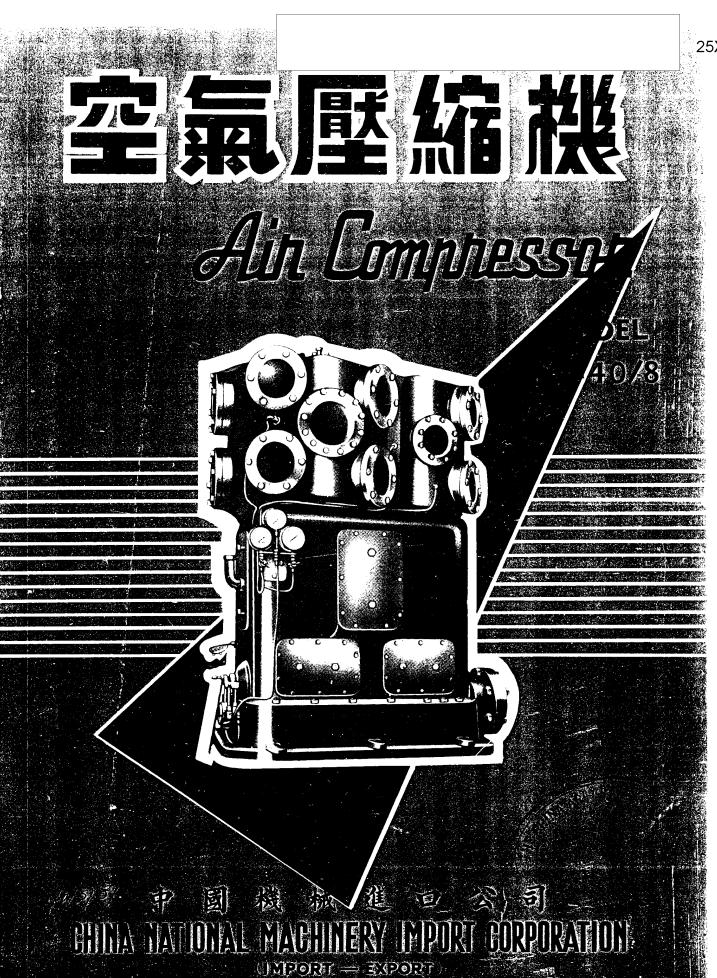
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25X1

AIR COMPRESSOR MODEL 1-40/8.

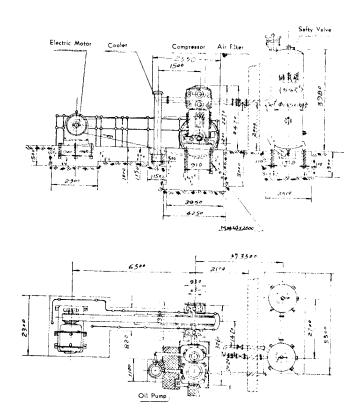
This Air Compressor is of two-stage, two-cylinder, vertical, double acting, water cooled type. Capacity 40 cubic meters free air per minute to pressure of 8 atmospheres.

The machine set consists of compressor, intercooler and a 250 KW. motor. The drive is by flat belt or V-belt.

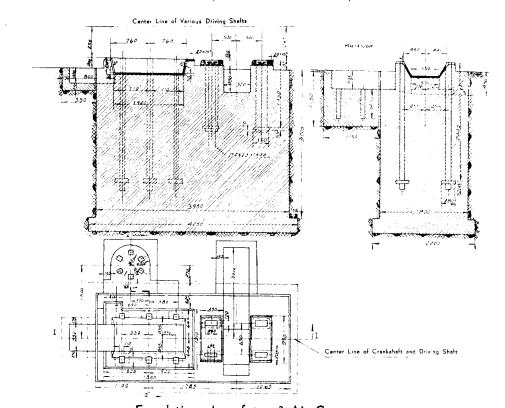
Safety valve and manometer are provided. Lubrication is effected both by gear pump and by lubricators; the former for bearings and other rubbing surfaces and the latter for cylinders and stuffing boxes.

The machine is suitable for mines, building constructions and workshops for feeding compressed air to various pneumatic tools.

No. of cylinder:	1st stage	1
	2nd stage	1
Cylinder bore:	1st stage	570 mm.
	2nd stage	340 mm.
Stroke:		300 mm.
Intake capacity:	•••••	40 m ³ /min.
Pressure:	1st stage	2 atm.
	2nd stage	8 atm.
Power required	····	300 H.P.
Speed:		
		330 rpm.
Cooling water co		330 rpm. 13 m³/hr.
Cooling water co	onsumption	330 rpm13 m ³ /hr0.35 kg./hr.
Cooling water co	onsumption	330 rpm13 m ³ /hr0.35 kg./hr250 KW.
Cooling water con Lubricating oil con Motor:	onsumption onsumption Power Speed	330 rpm13 m ³ /hr0.35 kg./hr250 KW.
Cooling water con Lubricating oil con Motor: Overall dimension	onsumption onsumption Power Speed	330 rpm13 m ³ /hr0.35 kg./hr250 KW750 rpm.
Cooling water con Lubricating oil con Motor: Overall dimension (not including	onsumption onsumption Power Speed on (LxWxH) motor or receiver)	330 rpm13 m ³ /hr0.35 kg./hr250 KW750 rpm.



General plan of 40m3 Air Compressor



Foundation plan of 40m³ Air Compressor

N.B.— For improvement of the machine, we reserve the right to alter either the design or the specification.

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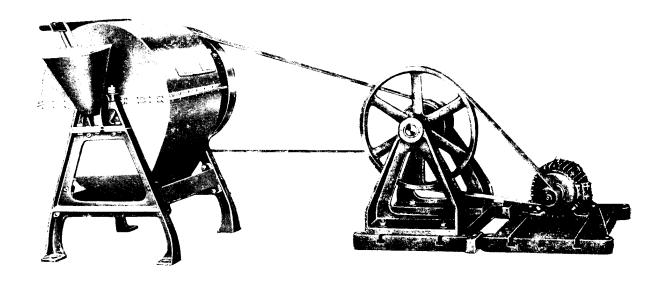
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MODEL 612-550X450





中國機械進口公司 CHINA NATIONAL MACHINERY IMPORT CORPORATION

ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA CABLE ADDRESS: "MACHIMPORT" PEKING

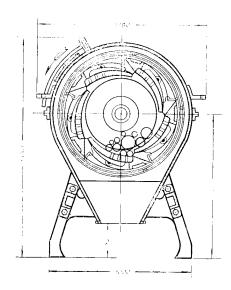
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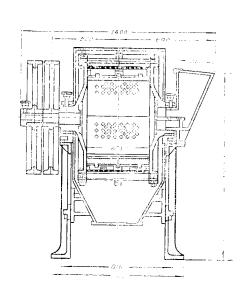
BALL MILL

Model 612 550x450

This Ball Mill type 151, equipped with screen, is used for grinding coal, coke, graphite, and clay. It is one of the foundry equipments.

The Mill comprises a drum rotating round a horizontal shaft. In the drum are steel balls and material to be ground. When the drum rotates, the steel balls are repeatedly brought up to a certain height, fall, and crush the material. The drum is composed of two discs and five segments which are assembled between the discs in staircase manner to form the drum surface. The material, having been ground, passes through the numerous holes in the segments onto the screen where it is sieved. The grains which are unable to pass through the screen are returned through space between the segments back to the drum.

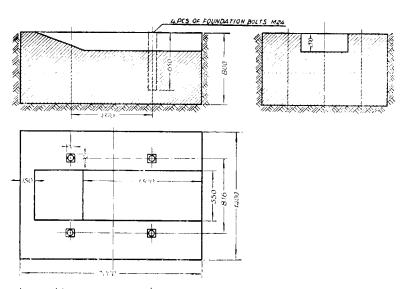




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SPECIFICATION

Output	••••	••••		••••	••••	••••	••••				75 k	g./hr.
No. of holes in sieve	••••	••••						••••	50	()-6()()	holes	${}^{\prime}{ m CM}^2$
Size of materials to be fed		••••	••••	••••		••••	Not	big	ger	than	60-6F	mm.
Quantity of materials per feed	••••		••••		••••					••••	30-40	litres
Discharge interval		••••		••••						****	20-30) min.
Drum speed	••••			•	••••	••••	• • • •				4()-45	ō ipm.
Ball diameters	••••		••••			1 ½ ''	; 1 †	";:	2";	$2^{\frac{1}{2}}$ ";	3";	35";
Number of balls			••••	••••		•···		20;	15;	10; 1	0; 5; 5	pes.
Weight of balls		••••						••••	•…•		(50 kg.
Motor						••••				1.	7-2.8	KW.
Overall dimension (LxWxH)								140	00x1	190x	1550	mm.
Net weight											880	kg.



N.B. For improvement of the machine, we reserve the right to after either the design or the specification.

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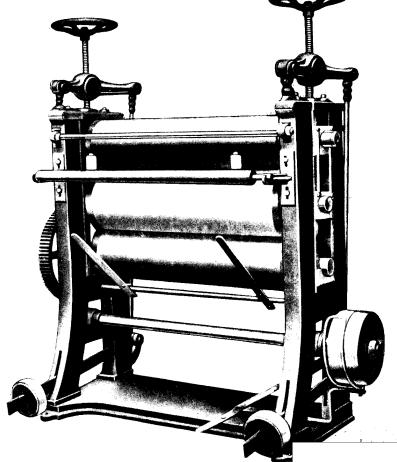
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25X1





蒸汽軋光機

運輸機械進门公司

蒸汽軋光機 THREE BOWL CALENDER

This calender is employed for the purpose of giving density and lustre to knitted fabrics, after which the fabrics are slitted and made into underwears.

Side frames and driving wheels are of robust construction. The upper bowl is made of chilled cast iron and steam heated, the middle bowl of paper, and the bottom bowl of chilled cast iron. The bearings of the bowls fit into the channel shaped side frames. The pressure on the bowls is obtained by means of lever and weights. By withdrawing the belt, the bearings may be pulled apart and the bowls released. The machine is driven by an electric motor through V-belts and provided with a friction clutch. It is necessary to install separately a spreading roller (with wooden floating strips) and also a winding roller.

The bearings for the bowls are brass bushed. See that they are properly lubricated.

Width of Bowls 40"
Bowl Speed 75 rpm
Grooved Pulley of Calender 13" pitch dia.
3 pcs. V-belt A-42
Power Required 3 HP
Production, Based on 8 hours 3000 yards
Floor Space: Installation floor space $2'0'' \times 6'6''$
Working space required $8'0'' \times 12'0''$
Weight Net 1090 lbs. approx.
Gross 2590 lbs. approx. Shipping Space 64.52 cu. ft. approx.

中國運輸機械進口公司

單捲筒十六版輪轉印报机 RP 1-64

本輪轉印刷机为适合一般每日銷数在 5 万至10万份報紙之大型報社使用,其印刷之 規格与 RP1-32 相同, 但印刷輥筒为四版寬, 故在設計用料方面是經过週密的攷虑, 本机構造簡明,尽量避免复杂易損之机件,幷且裝拆便利,各部管理机件甚易操縱。

本机設計週密裝有自动摺報机壹座及 45°联紙器一套,可將四大張報紙摺叠在一起或二大張一大張半一大張均可任意摺叠使用此为本机之最大特点。墨斗部份可任意調节墨色之濃淡,揩墨輥筒乃采用标准硬度之橡膠澆制,彈性耐久不受天气冷热之影响。本机可裝鉛版 16 块, 在一四版可套印紅色,所用捲筒紙之标准尺寸为 64″ 但 62″ 亦可应用。全部輥筒輥承均裝有避尘器,安为保护,內部儲滿机油,机油消耗量极微。

本机之电气設备能自动調节速度裝有 35 匹馬力快慢电动机一具发动全机, 用电鈕可自动控制速度,停車时有电磁制动器等安全装置,另有 5 匹馬力之电动机專为引紙之用,且附有手搖发动裝置。

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二套一張半	12	12,500	6	64''
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四大張	16	12,500	8	64''

熔鉛爐連帮浦 (RN-14)

TRICTIF

單捲筒八版輪轉印报机 RP 1-32 型

本輪轉机为适合一般每日銷数在一万至五万份報紙之中小型報社之用,除印刷報紙外,尚可印刷書報及宣傳品等,整部机器之結構,以坚固耐用操作簡便为原則,工作地位寬暢,操縱机件之地位高度亦适中,便于管理及按裝,本机之印刷部牆板,采用新式拱形,全部机器之基本組織有二組鉛版輥筒及印刷輥筒,上部有套色設备,輥筒二端大軸承采用全封閉式,且有偏心調整机構,以便調整軸心之精密度及印刷压力之用,輥筒長度为二版寬,本輪轉机配有无綫帶摺報器一座,報紙經三角板及摺報輥筒,摺成二次后,自动由綫帶送出,出報方式可分一大張(4版)二大張(8版)及兩半張(双二版)有自动数報器,其記录單位为25份或50份。

本輪轉机所用捲筒紙为單捲式紙寬标准为 32",但 31"至 34"紙均可应用, 捲筒紙裝置有升降設备,既省力又省时,本机尾部有放大地位,使本机兩部在一起可接裝成为 16版,双捲筒輪轉机本輪轉机之动力設备为变速电动机一具,用按鈕遙控其速度,如遇緊急事故有电磁制动器保护机器安全。

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	2	8		12,500		4	32''
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机器佔位: (長×寬×高) 5×3.5×2.0 公尺

澆版机

装箱体积: 22.65立方公尺

重:15,250公斤

銑版机 熔鉛鍋

刮版机

附屬設备: 烘版机

中國運輸機械進口公司

單捲筒十六版輪轉印报机 RP 1-64

本輪轉印刷机为适合一般每日銷数在 5 万至10万份報紙之大型報社使用,其印刷之 規格与 RP1-32 相同,但印刷報筒为四版寬,故在設計用料方面是經过週密的攷虑, 本机構造簡明,尽量避免复杂易損之机件,幷且裝拆便利,各部管理机件甚易操縱。

本机設計週密裝有自动摺報机壹座及 45°联紙器一套,可將四大張報紙摺叠在一起或二大張一大張半一大張均可任意摺叠使用此为本机之最大特点。墨斗部份可任意調节墨色之濃淡,揩墨輥筒乃采用标准硬度之橡膠澆制,彈性耐久不受天气冷热之影响。本机可裝鉛版 16 块, 在一四版可套印紅色,所用捲筒紙之标准尺寸为 64″但 62″亦可应用。全部輥筒輥承均裝有避尘器,妥为保护,內部儲滿机油,机油消耗量极微。

本机之电气設备能自动調节速度裝有 35 匹馬力快慢电动机一具发动全机, 用电鈕可自动控制速度,停車时有电磁制动器等安全装置,另有 5 匹馬力之电动机專为引紙之用,且附有手搖发动裝置。

主要規格:

最大印刷面积14¾"×21"
報紙尺寸(64"紙) ····································
印刷中心
印刷鉛版16版
套色版数 8 版
鉛版厚度14公厘
呢布厚度
報筒速度: 标准 12,500 轉/小时
最高13,000 轉/小时
需要馬力:35匹
机器佔位: ··········· 長×寬×高(約)5.3公尺×4.5公尺×2.65公尺
机器重量: (包括电气設备)29,500公斤
毛 重:(包括电气設备)32,500公斤
装箱尺寸:
附 件: ······ 澆鉛版机 (RD-14)
自动刮鉛版机 (RF – 14)
熔鉛爐連帮浦 (RN-14)

印刷性能:

出報張数	印刷版数	每小时产量(份)	套色版数	捲筒紙
半 張	2	100,000	1	64''
一大張	4	50,000	2	64''
一張半	6	25,000	3	64''
二套一張半	12	12,500	6	64''
兩大張	8	25,000	4	64''
四大張	16	12,500	8	$64^{\prime\prime}$

單捲筒八版輪轉印报机 RP 1-32 型

本輪轉机为适合一般每日銷数在一万至五万份報紙之中小型報社之用,除印刷報紙外,尚可印刷書報及宣傳品等,整部机器之結構,以坚固耐用操作簡便为原則,工作地位寬暢,操縱机件之地位高度亦适中,便于管理及按裝,本机之印刷部牆板,采用新式拱形,全部机器之基本組織有二組鉛版觀筒及印刷觀筒,上部有套色設备,觀筒二端大軸承采用全封閉式,且有偏心調整机構,以便調整軸心之精密度及印刷压力之用,觀筒長度为二版寬,本輪轉机配有无綫帶摺報器一座,報紙經三角板及摺報觀筒,摺成二次后,自动由綫帶送出,出報方式可分一大張(4版)二大張(8版)及兩半張(双二版)有自动数報器,其記录單位为25份或50份。

本輪轉机所用捲筒紙为單捲式紙寬标准为 32",但 31"至 34"紙均可应用, 捲筒紙裝置有升降設备,既省力又省时,本机尾部有放大地位,使本机兩部在一起可接裝成为 16版,双捲筒輪轉机本輪轉机之动力設备为变速电动机一具,用按鈕遙控其速度,如遇紧急事故有电磁制动器保护机器安全。

技術資料:

最大印刷面积······14¾"×21"
報紙尺寸(用 32"紙) ············22"×32"
紙寬标准
印刷中心
常用鉛版
套色鉛版4
鉛版厚度14公厘
呢布厚度
标准轉数

機器產量:

出報組	E数 版	数位	5小时产量(6	子) 套色牌	反数 捲筒紙寬	度
1/:	2 2		50,000	1	32''	
i	4		25,000	2	32''	
2	8		12,500	4	32''	
需要馬力:				• • • • • • • • • • • • • • • • • • • •	20	ŊĘ
机器佔位:	(長×寬×	(高) …			5×3.5×2.0 公り	ワ
附屬設备:	烘版机	刮版机	澆版机	銑版机 炸	容鉛鍋 修版架	
全部重量:	包括附屬認	设备	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	12,650公人	厅
毛 重:					15,250公人	斤

500 噸液力压紙版机 PH-II 型

使用說明:

本机为自动式液力压纸版机,專为压制報社紙型节省人力,提高印刷質量,尤其是銅版画刊,更能得到精美之印刷效果,用料高貴,構造精密,安全可靠,机身为長园形整体球墨鑄鉄,上有半园上平台,下有大小气缸,活塞工作平台及全部动力及操作設备等平台工作压力由一只压力表用公斤/平方公分及吨位表示,操作用單独手柄,半自动式管理,每压一紙型 20 秒鐘即可。 附有压力計算表。

主要規格:

机器最大压力:
報版常用压力:260-320吨
最大工作面积: ·····540×700公厘
需要馬力:1½ 匹
机器佔位: ············(長×寬×高)1640×1000×1600公厘
机器重量: (淨重)約3,800 公斤
(毛重)約4,050 公斤
装箱尺寸:約2.66立方公尺

电动澆鉛版机: RD-14 型

使用說明:

本机器專为快速省力澆鑄鉛版供給大中型輪轉机之用,常同 RN-14 熔鉛爐相联,使用亦分左手式和右手式兩种任意选擇,在地面上用簡單水泥底脚安裝即可,机座中央有可轉动之內模园筒,外有半园形外模,兩边有紙型軋,軋好紙型后,將外模推在园筒上,即行拉下帮浦手扳压入鉛熔液,內外模皆用水冷却約二十秒鐘,鉛液凝固,开动机器,拉出外模,按上接合器,手扳园筒帶鉛版旋轉边有鋸刀,把鉛头鋸去,再將外模合上,鉛版即被自动推出,如此連續澆第二版。

鉛版尺寸:	······································
机器产量:	
需要馬力:	7 ½匹
机器佔位:	·········· (連熔鉛爐帮浦)單組(長×寬×高)2×2.5×2公尺
机器重量:	(連熔鉛爐帮浦)單組4,500公斤

熔鉛爐連鉛泵浦 RN-14 型号

使用說明:

本套熔鉛設备專为配合大型輪轉机RP164及RP4-64型制張形鉛版之用,構造极为 簡單,任何地位均可安置,有右手式左手式,任意选擇,爐圈爐灶爐門均用鑄鉄所制, 中置园形鉛鍋一只,爐子下部有爐柵,一般用烟煤即可,用煤极省,爐子頂部裝有泵浦 一只,浸入鉛熔液內,活塞杆上連接手柄一只向下拉柄,鉛熔液即被活塞上压鉛液經曲 管噴出到达澆版机,每次可澆一塊鉛版。

附件:

1200°C电偶高温計1 5	ļ
200 φ 公厘烟囱管 7 公尺县	c

主要規格:

鉛鍋容鉛量		厅
泵浦容量	8,600 立方公	分
爐棚面积	3,726 平方公	分
应用燃料		煤

自动刮鉛版机: RF-14

使用說明:

本机器为完全自动机床,配合 RD-14型澆版机,成为報社必需之整体制版設备,在澆版机鑄出之毛坯鉛版,經本机床刮光內徑,成正確半园形,厚度平均,适合輪轉輥筒之用,机床牆板呈微斜形,鉛版推入机床滑輪,經自动凸輪,进入刮模,即有刮刀轉动刮平內徑及毛头,再經第二道凸輪鉛版沿滑道經过自动噴水箱冷却及冲洗,再經第三道凸輪鉛版被毛刷刷清鉛屑又滑到停止地位即可裝于輪轉机,每台刮版机可供二台或三台澆版之用。

刮模直徑:	
刮刀軸轉数: ····································	6轉/分、
刮版速度:	3版/分
需要馬力:	5 灰
机床佔位: ····· (長×寬×高)	3.7公尺×1公尺×1公尺
如止垂县	2 300 承压

500 噸液力压紙版机 PH-II 型

使用說明:

本机为自动式液力压紙版机,專为压制報社紙型节省人力,提高印刷質量,尤其是銅版画刊,更能得到精美之印刷效果,用料高貴,構造精密,安全可靠,机身为長园形整体球墨鑄鉄,上有半园上平台,下有大小气缸,活塞工作平台及全部动力及操作設备等平台工作压力由一只压力表用公斤/平方公分及吨位表示,操作用單独手柄,半自动式管理,每压一紙型 20 秒鐘即可。 附有压力計算表。

主要規格:

扣照具工厂 4
机器最大压力: 500 吨
報版常用压力:260-320吨
最大工作面积:540×700公厘
340×700公厘
需要馬力: 1½ 匹
1½ /с
机器佔位: ·······(長×寬×高)1640×1000×1600公厘
1700 00 00 00 00 00 00 00 00 00 00 00 00
机器重量: (淨重)約3,800公斤
(
(毛重)約4,050 公斤
基籍尺寸 。
装箱尺寸:約2.66立方公尺

电动澆鉛版机: RD-14 型

使用說明:

本机器專为快速省力澆鑄鉛版供給大中型輪轉机之用,常同 RN-14 熔鉛爐相联,使用亦分左手式和右手式兩种任意选擇,在地面上用簡單水泥底脚安裝即可,机座中央有可轉动之內模园筒,外有半园形外模,兩边有紙型軋,軋好紙型后,將外模推在园筒上,即行拉下帮浦手扳压入鉛熔液,內外模皆用水冷却約二十秒鐘,鉛液凝固,开动机器,拉出外模,按上接合器,手扳圆筒帶鉛版旋轉边有鋸刀,把鉛头鋸去,再將外模合上,鉛版即被自动推出,如此連續澆第二版。

鉛版尺寸:	配合輪轉机規格設計
机器产量:	毎分鐘一版
需要馬力:	7 ½匹
机器佔位:	············· (連熔鉛爐帮浦)單組(長×寬×高)2×2.5×2公尺
机哭番量.	
A RICH TES 1477	

熔鉛爐連鉛泵浦 RN-14 型号

使用說明:

本套熔鉛設备專为配合大型輪轉机RP164及RP4-64型制張形鉛版之用,構造极为 簡單,任何地位均可安置,有右手式左手式,任意选擇,爐圈爐灶爐門均用鑄鉄所制, 中置园形鉛鍋一只,爐子下部有爐柵,一般用烟煤即可,用煤极省,爐子頂部裝有泵浦 一只,浸入鉛熔液內,活塞杆上連接手柄一只向下拉柄,鉛熔液即被活塞上压鉛液經曲 管噴出到达澆版机,每次可澆一塊鉛版。

附 件:

1200°C 电偶高 温計	1 只
200 φ 公厘烟囟管	7公尺長

主要規格:

鉛鍋容鉛量2,600 公	丌
泵浦容量8,600 立方公	分
% 個	分
爐棚面积	Litt
应用燃料	洙

自动刮鉛版机: RF-14

使用說明:

本机器为完全自动机床,配合 RD-14 型澆版机,成为報社必需之整体制版設备, 在澆版机鑄出之毛坯鉛版,經本机床刮光內徑,成正確半园形,厚度平均,适合輪轉報 筒之用,机床牆板呈微斜形,鉛版推入机床滑輪,經自动凸輪,进入刮模,即有刮刀轉 动刮平内徑及毛头,再經第二道凸輪鉛版沿滑道經过自动噴水箱冷却及冲洗,再經第三 道凸輪鉛版被毛刷刷清鉛屑又滑到停止地位即可裝于輪轉机,每台刮版机可供二台或三 台澆版之用。

刮模直徑:
刮刀軸轉数:
刮版速度:3版/分
需要馬力: ····································
需要馬力:
机床佔位:(長×寬×高) 3.7公尺×1公尺×1公尺
机床重量:

Sanitized Copy Approved for Release 2010/02/24: CIA-RDP80T00246A035700170001-7

引制 PRINTING MACHINERY



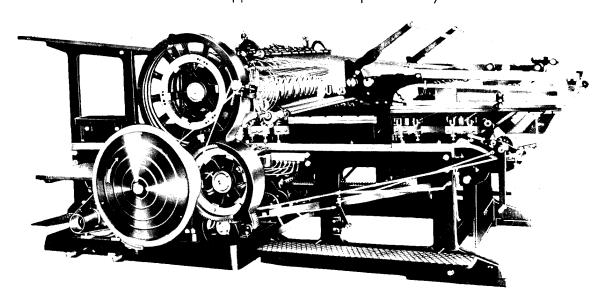
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-U-KOU, HSI-CHAO, PEKING, CHILL CASIS ADD: TRANSMACH PEKING Sanitized Copy Approved for Release 2010/02/24: CIA-RDP80T00246A035700170001-7

雙迴轉緩衡式凸版機 TWO-REVOLUTION PRESS MODEL TRP

with Gripper-controlled Tape Delivery



This modern two revolution press embodies our latest improvement in work and design. Its strong construction ensures smooth working, perfect register and high output. Other features are: improved carriage drive with four roller tracks; pressure release, combined table and cylinder inking with three distributing rollers and four inking rollers; ink box with duct blade; air buffers ensuring steady working of the machine at the highest speed. The delivery adopted on this machine consists of tape system, the sheets being held by grippers on their travel from the cylinder to the pile. A very smooth and even pile is accomplished at any speed.

Model	 TRP
Sheet size	 915 · 1220 mm (36" · 48")
Type Bed	 934 · 1370 mm (36 ³ " · 54")
Chase, inside measurement	 890 · 1194 mm (35" · 47")
Type Matter locked in Chase	 864 · 1170 mm (34" · 46")
Impressions per hour	 2000
Revolutions per Impression	 12
Installation Floor Space	 2400 · 4500 mm (96" · 180")
Pulley, diam. width	 450 · 150 mm (18" · 6")
Motor	 7.5 H. P.
Weight	 Net: 10 tons Approx.
	Gross: $12\frac{3}{4}$ tons Approx.
Shipping Space	 14 cu. m. Approx.

中國運輸機械進口公司

双迥轉緩衝式凸版機 TRP 型

使用說明:

本机設計精密,構造新穎,印刷准確,产量甚高,印刷台面在四个油槽上行动給墨 設备用三根打墨棍,及四个揩墨棍,并备有新式墨斗,台面下装有空气缓冲器,可使机 器在高速运轉时工作平稳,排紙器系紗帶咬爪式。能堆叠整齐。

型	당:	TRP
紙張尺	寸:	······915×1220 公厘 (36"×48")
印台尺	寸:	······934×1372公厘(36¾"×54")
字盤內	阁尺	寸: ·················889×1194 公厘 (35"×47")
印刷面	积:	·····································
. ج را	量:	單面2000張 / 小时
裝置面	积:	·····································
皮帶盤	尺寸	T: 直徑×寬457×152 公厘 (18"×6")
需要馬	力:	7.5рд
重	量:	(淨重)約10吨
		(毛重)約12 3 吨
装箱尺	¬∱:	約14立方外尼





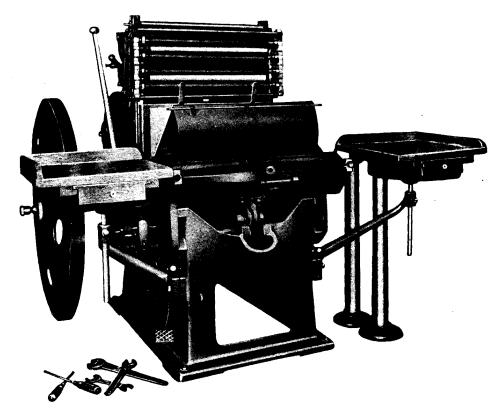
三色凸版机 PP-16 型

使用說明:

本机專印各种彩色刊物封面及凸版印刷工作,出品优良,該机底座与机架系鑄成一 起,附有二个撐力杆,四个油墨滾筒等,其优点为生产力高,佔地小及用电省。

型 号: PP16
印刷面积:
搖便平板尺寸:
产 量: 單面 1560 張/每小时
装置面积: ······2032×1321公厘(80″×52″)
皮帶盤尺寸: 徑×寬············330×76公厘(13"×3")
需要馬力:
重 量: (淨重)約1500公斤
(毛重)約2000公斤
装箱尺寸:3.8 立方公 厘

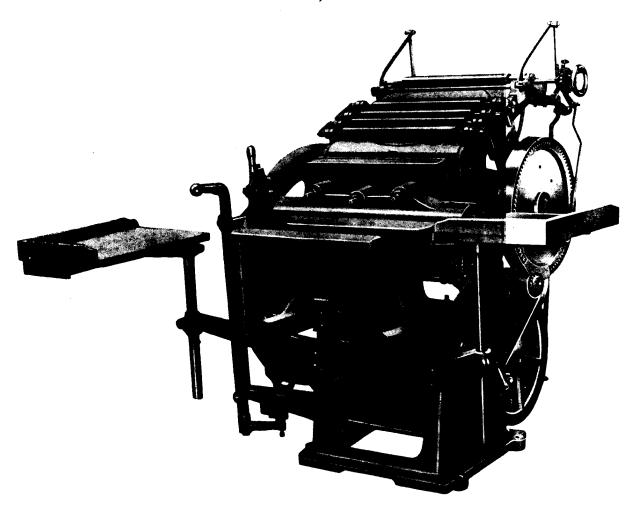
三色凸版機 PLATEN PRESS, MODEL PPI6



In introducing the platen press we provide a machine which produces finest tint work as well as ordinary job work at highest speed. Bed and frame are cast in one piece. The machine is furnished with two tension rods, cylindrical inking with four inking rollers, friction clutch and brake. Operation of this machine requires minimum power and space.

Model	•••		•••	•••			PP 16
Chase, inside	mea	surei	ment				$394 \times 560 \text{ mm } (15\frac{1}{2}" \times 22")$
Size of Plate	n			•••		•••	420×585 mm $(16\frac{1}{2}" \times 23")$
Impressions	per H	lour				•••	1560
Installation F	loor	Space	e		•••		2032×1321 mm (80"×52")
							330×75 mm (13"×3")
Motor					•••	•••	2 H. P.
Weight		•••				•••	Net: 1500 kgs. Approx.
							Gross: 2000 kgs. Approx.
Shipping Spa	ce						38 cu m Approx

方箱印刷機 PLATEN PRESS, MODEL PP14



This is a fine art platen press suitable for general job printing and also for half-tone and zinc block works. It is built with sturdy bed and frame, a single disc and self-inking apparatus, friction clutch and brake. It is capable of a wide range of printing, requiring minimum power and space.

Model			• • • •	PP 14
Chase, inside measurement	•••	•••		$330 \times 432 \text{ mm } (13" \times 17")$
Size of Platen				
Impressions per Hour				
Installation Floor Space	• • •		•••	$1270 \times 1880 \text{ mm } (50\frac{1}{2}" \times 74")$
Motor				
				Net: 1,200 kgs. Approx.
•				Gross: 1,500 kgs. Approx.
Shipping Space	• • •	•••	• • •	3 cu. m. Approx.

中國運輸機械進口公司

方箱印刷机 PP-14 型

使用說明:

本机一般印刷厂均甚适用, 可用于凸版及各种鋼鋅版之印刷, 底座与机架構造坚固,备有自动給墨設备等,其优点为佔地小,用电省,用途广。

		PP14
印刷面	ī积:	356×508公月(14"×20")
搖便生	版尺	寸: ······330×432公厘(13″×17″)
}*=	量:	1260 張/毎小时
装置面	ĵ积:	1283×1880公厘(50½″×74″)
需要用	5力:	
重	量:	(淨重)約1200公斤
		(毛重)約1500公斤
裝箱屋	근寸:	約3立方公尺

元 盤 机 PP-10 型

使用說明:

本机用單元盤調墨,構造堅固,印刷均衡,产品清晰。

主要规格:

型 号:	PP10
印刷面积:	
字盤尺寸:	$\left. \begin{array}{c} 254 imes 381$ 公頃($10^{\prime\prime} imes 15^{\prime\prime}$)
平版尺寸:	·····································
产 量:	1200-1800 張/小时
裝置面积:	1422×1219公厘(56"×48")
重 量:	(淨重)約 530 公斤
	(毛重)約 650 公斤
裝箱尺寸:	約1.7 立方从尼

25X1

中國運輸機械進口公司

全張膠版机(鏈式) OFC 型

使用說明:

此机用途甚广,可印图片日曆商标書面等等,主要机構有鋅版滾筒,膠版滾筒,压 紙滾筒各一只,其尺寸均同,可單面印刷,套色准確,給墨裝置設計完善,印刷均匀, 排紙設备系鏈式,可保証出品質量,其优点在产量高,估地小,省电力,管理簡便,任 何質地紙張均可应用。

上要規格:

型 号:	OFC
印刷面积:	····································
鋅版尺寸:	·······991×1168 茲坤(39"×46")
紙張尺寸:	
橡皮布尺寸: …	························1168×1168茲炯(46"×46")
产 量: …	
皮帶盤尺寸:	·····································
需要馬力: …	5 pc
装置面积: …	·····································
重量:(淨	重):約7420公斤
(E	重)
装箱尺寸: …	約20立方公尺

对开廖版机 鏈式-OHC 棒式-OHF

使用說明:

本机系完备之膠版印刷机,适合于各种类型之印刷厂。最大优点不論优劣紙張均能 应用,且套色准確,品質高,产量大。备有棒式与鏈式。各型排紙設备,任凭选訂。

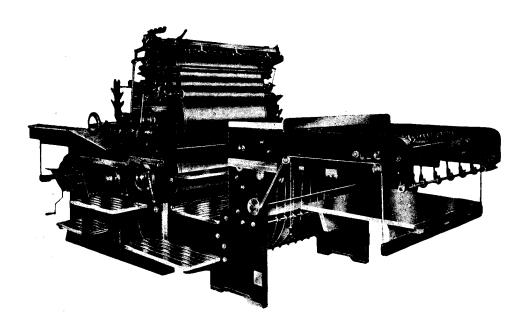
主要規格: 型 早

型 号:	·····································	
印刷面积:	·····································	
鋅版尺寸:		
纸張尺寸:	610×914公庫(24"×36")	
象皮布尺、	f: ····································	
出 量:	單面 2700 張/小时	
支帯盤尺、	†: ····································	
需要馬力:	3 hz	
長置面积:	3048×2932公理(10′0″×6′8″)	
重 量:	(淨重)約3500公斤	
	(毛重)約4360公斤	
装箱尺寸:	約12立方公尺	
		2

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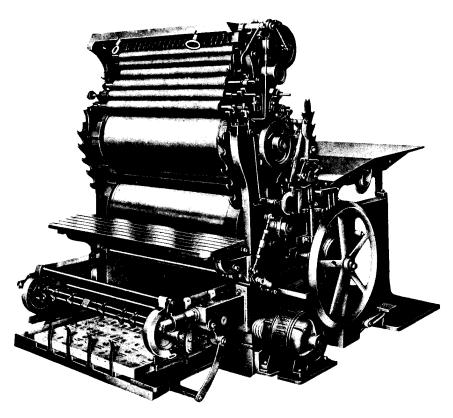
全張 膠 版 機 鏈 式 SINGLE COLOUR OFFSET MACHINE, MODEL OFC

with Chain Gripper Delivery



Model OFC Offset Machine is recommended for any job work such as printing pictures, calendars, trade marks and book covers, etc. It is designed on the principle of three cylinders of equal sizes for single colour printing on one side. By means of an improved inking device, the composition is transferred to the zinc plate in a most simple manner. The machine is provided with chain gripper delivery which eliminates air agitation and ensures perfect register. Other special features are: high productivity, simplified operation, requiring minimum space and power, capable of using cheap and rough papers.

Model	•••	• • •	• • •		OFC
Printing Surface			•••	• • •	$865 \times 1170 \text{ mm } (34" \times 46")$
Plate Size	• • • •		•••	•••	990×1170 mm (39"×46")
Paper Size	•••		•••	• • •	940×1220 mm $(37" \times 48")$
Blanket Size					
Production	•••		•••		2280/2400 sheets per hour on one side
Drive Ratio			•••		5.5:1
Pulley Size			• • •		600 mm (24") dia.
Motor				• • •	5 H. P.
Installation Floor Space	·	•••	•••	•••	5225×2575 mm (17'6"×8'6")
Weight	•••	•••	•••	•••	Net: 7420 kgs. Approx. Gross: 8450 kgs. Approx.
Shipping Space	•••	•••	•••		20 cu. m. Approx.



Model OHC with Chain Gripper Delivery

對開膠

SINGLE CO:

This is a popular machine ment, capable of handlin intric paper. It is provided with eith delivery at buyer's option. Otare: improved inking device, defect register.

Models	•••	•••		
Printing Su	ırfac	:e	•••	
Plate Size			•••	
Paper Size			• • •	
Blanket Siz	ze			
Production				
Drive Rati	0			
Pulley Size	:			
Motor				
Installation	Flo	or S	расе	٠
Weight	•••	•••		
Shipping S	pace	٠		

版 機 雄式

OUR OFFSET

for any offset printing establishate colour printing on any kind of er flyer delivery or chain gripper ter unique features of this machine use and sharp impression and per-

OHF & OHC

610 - 915 mm (24" ×36")

 $725 \times 915 \text{ mm } (28\frac{1}{2}\% \times 36\%)$

610 < 915 mm (24" ×36")

 $864 \times 915 \text{ mm } (34" \times 36")$

2700 sheets per hour on one side.

5:1

550 mm (22") dia.

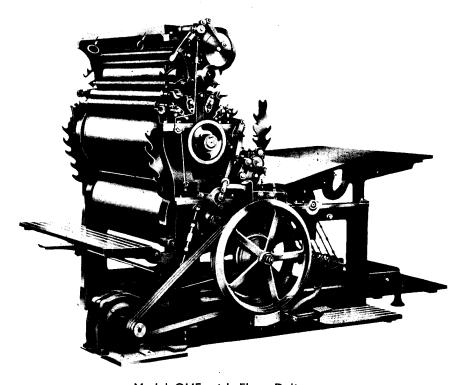
3 H. P.

3000 \ 2000 mm (10'0" \ 6'8")

Net: 3500 kgs. Approx.

Gross: 4360 kgs. Approx.

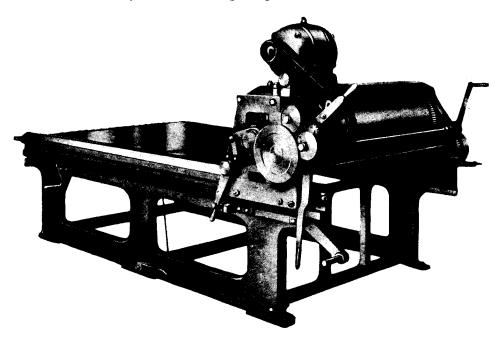
12 cu. m. Approx.



Model OHF with Flyer Delivery

OFFSET PROOF AND TRANSFER PRESS, MODELS OPH & OPF

with cylinder running in geared toothed racks



This machine is designed for proof and transfers from lithostone and type matter on the offset zinc plate. Besides, the machine is eminently suitable for proofs on paper, tin, celluloid, thick card-board, etc.

The machine is furnished for electric drive.

Models			OPH .	OPF
Paper Size		•••	610×915 mm (24"×36")	915×1220 mm (36"×48")
Working Trips per Min	ute	•••	. 2	2
Installation Floor Space	•••	•••	3000×1800 mm (10'0"×6'0")	3300×2150 mm (11'0"×7'2")
Motor			2 H. P.	3 H. P.
Net Weight			2080 kgs. Approx.	3615 kgs. Approx.
Gross Weight			· · · · · · · · · · · · · · · · · · ·	• .,
Shipping Space				

中國運輸機械進口公司

膠版打样机 OPH 及 OPF 型

使用說明:

膠版机之鋅版須先經本机打样落版,方可上膠版机印刷,本机由电动机傳动。

主要規格:

种	类:	对	开:	全	張:
型	号:	0P	Н	0	\mathbf{PF}
紙張斥	큰寸:	610 × 91	4公厘	914×12	219公厘
		(24 "×	36")	(36"	× 48")
裝置面	前积:	3048×182	9公厘	3353×2	185公厘
		(10'0" × 6	6'0'')	(11'0")	×7′2′′)
需要周	馬力:		2 匹	3	匹
重	量:	(淨重)約208	0公斤	約30	615公斤
		(毛重)約238	4公斤	約40	080公斤
裝箱戶	₹ें रें	約2.65立	方公尺	約5立	方公尺

25X1

磨鋅皮机GM型

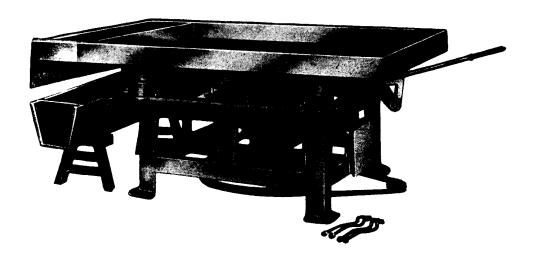
使用說明:

膠版印刷机之鋅版,經使用后,需經此机磨过,方可再用。使用本机时需用玻璃、 陶器制或鋼制磨球,任凭选購。

型号	;	GM
机盤尺寸	Ի։	·······1727×1270公厘(68″×50″)
速度尺寸	Ի։	
裝置面积	₹:	·····································
需要馬力	J:	1½ 匹
重量	t:	(浄重)約1150公斤
		(毛重)約1400公斤
裝箱尺寸	Ի։	約3.6立方公尺

磨鋅皮機

ZINC PLATE GRAINING MACHINE, MODEL GM

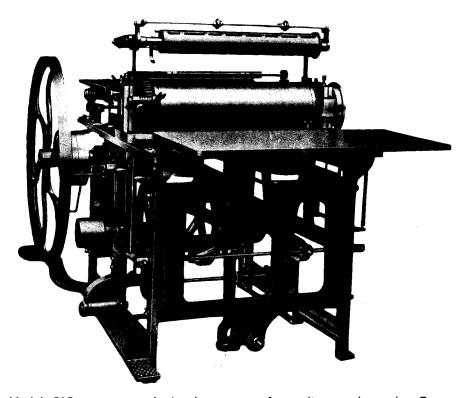


The machine is for cleaning and graining zinc plates for offset works. Glass, ceramic or steel marbles with sand are used, which may be supplied if required. It is directly driven by motor through vee belting.

Model	GM
Inside Measurement of Box	1730 × 1270 mm (68"×50")
Speed	120 rpm
Installation Floor Space	2000×1450 mm (80"×58")
Motor	I ½ H. P.
Weigh t	Net: 1150 kgs. Approx.
	Gross: 1400 kgs. Approx.
Shinning Space	36 CU m Approx

四 開 鉛 印 機 CYLINDER JOB PRESS

with flyer delivery-Model CJQ



Model CJQ is a stop-cylinder letter-press for ordinary job work. Constructional features include: carriage drive by rod motion with 2 roller tracks; cylinder inking unit with 3 inking rollers; ink box with duct blade. Delivery cylinder is of the clear off type and the rotation of the impression cylinder is stopped by a handle.

Paper is fed by hand and delivered to the pile board by flyer system. The press is arranged for motor drive but at the same time it can be driven by a treadle.

Model	CJQ
Sheet Size	457×610 mm ($18" \times 24"$)
Sheet Size	483×635 mm (19" $\times 25$ ")
Chase, inside measurement Type matter locked in Chase	$457 \times 610 \text{ mm} (18" \times 24")$
Type matter locked in Chase	$445 \times 597 \text{ mm } (17\frac{1}{2}" \times 23\frac{1}{2}")$
Impressions per Hour	1500—1800
Flywheel Revolutions per Impression	n:
Installation Floor Space	1800×1250 (72"×50")
Pulley Diam. × Width	
Weight	Net: 1100 kgs. Approx.
~	Gross: 1500 kgs. Approx.
Shipping Space	3 cu. m. Approx.

中國運輸機械進口公司

四开鉛印机 CJQ 型

使用說明:

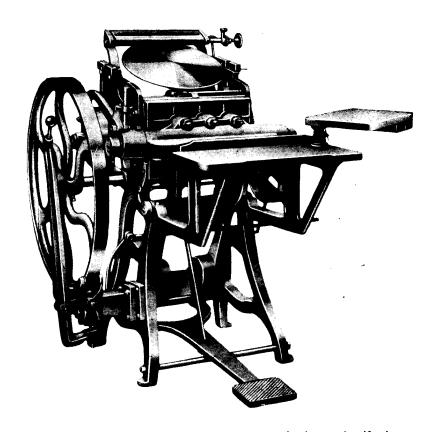
本鉛印机系停筒活字式,为普通印刷之用。其主要構造,导墨裝置为槓桿傳动,墨 箱有导管刀片,能使墨色調和均匀,台动灵活,印品精良,本机可由手柄停止。

其傳动方式: 既可使用电力,又可用人力脚踏,适合高速度生产, 誠为一般印刷界人士所贊許。

型 号:	CJQ
紙張尺寸:	·······457×610公厘(18″×24″)
印台尺寸:	·······483×635公厘(19″×25″)
字盤內圈戶	さ寸: ·······445×597公 厘(17½"×23½")
印刷面积:	·······432×584公厘(17″×23″)
产 量:	1500 – 1800張 / 小时
裝置面积:	······1829×1270公厘(72″×50″)
皮帶盤尺下	け: 直徑×寬·······305×51公厘(12″×2″)
重量:	(淨重)⋯⋯紛1100公斤
	(毛重)約1500公斤
装箱尺寸:	約3立方公尺

大二號元盤機 PLATEN PRESS MODEL PPI0

for treadle drive



This model has a strongly built vertical bed, a single disc and self-inking apparatus for perfect inking distribution. It is equipped with a device for regulating and throwing off impressions in any position of the platen.

Model	PP10
Chase, inside measurement	
Size of Platen	279×406 mm (II"×I6")
Impressions per Hour	
Installation Floor Space	1422×1219 mm (56"×48")
Weight	
S .	Gross: 650 kgs. Approx.
Shipping Space	1.7 cu. m. Approx.

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		25 X 1

REPRESENTED IN BERLIN BY

CHINA NATIONAL IMPORT & EXPORT CORPORATION

LEIPZIGER STR. 112 W8 CABLE: CNIEC BERLIN

BRANCHES

TIENTSIN OFFICE:

171 Chien Shieh Road (Ho Si District)

Cable Address: TRANSMACH Tientsin

SHANGHAI OFFICE:

27 Chung Shan Road El

Cable Address: TRANSMACH Shanghai

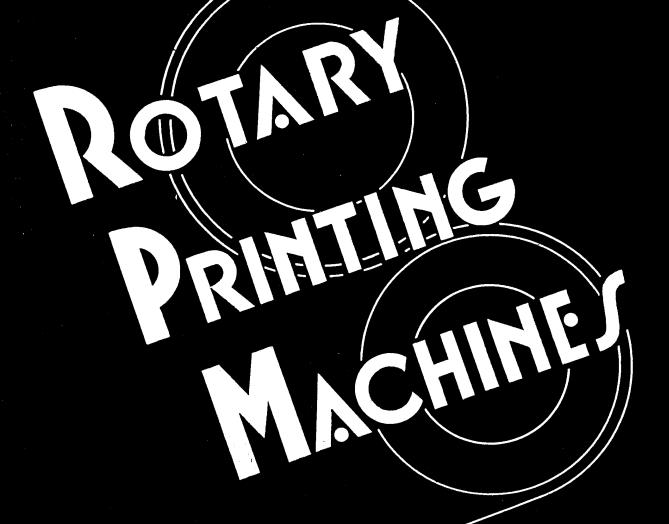
CANTON OFFICE:

25 Tai Ping Road South

Cable Address: TRANSMACH Canton

25X1

輔質印軟洗



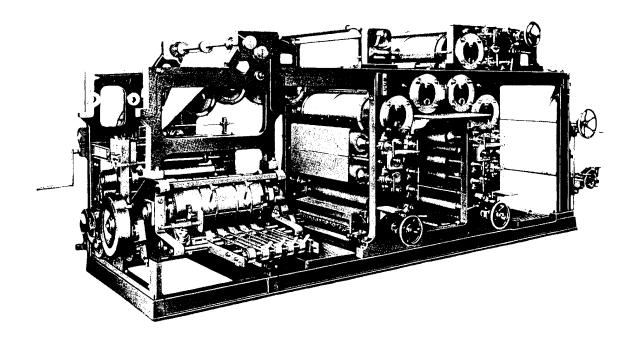
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA CABLE ADD: TRANSMACH PEKING Sanitized Copy Approved for Release 2010/02/24: CIA-RDP80T00246A035700170001-7

單捲筒八版輪轉印報機

ROTARY PRINTING MACHINE



UNI-REEL 8-PAGE NEWSPAPER ROTARY PRESS

Model RPI-32

This Rotary Press is designed for printing 10,000 to 50,000 copies of newspapers daily. It is also adaptable to book and job printings. Rigidity in construction and simplicity in operation are its essential features. Its main frame is of the arch type which provides ample working space, and its parts are arranged within convenient reaches of the worker.

This press is composed of two printing units and a second colour unit which is fixed on the top. The oil ring lubricated bearings of the cylinder are completely enclosed. An eccentric mechanism is provided for adjusting the centre of the shaft to ensure printing accuracy and correct pressure. The length of the cylinder is equal to the width of two plates.

The press is complete with one tapeless folder. Each complete issue of the newspaper will be automatically folded into two plaits by means of the folding triangles and cylinders and sent out of the rotary press in consecutive order through its tape delivery. A counter

with recording marks for every 25 copies or 50 copies of newspapers delivered, is attached to the press for purpose of computation.

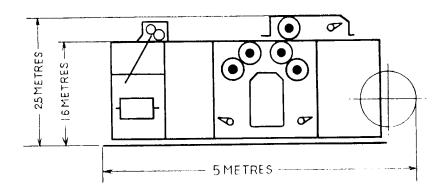
The press takes a single paper reel of 32" width, but reels from 31" up to 34" are also adaptable. Lifting device for paper reel is provided to save work and time. Another convenient feature is that two such presses can be connected together to convert into a two-reel 16 page press.

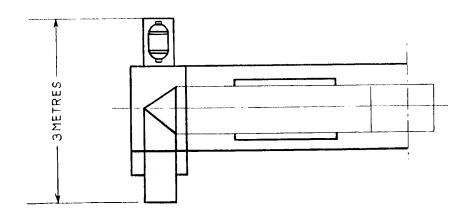
The electric drive consists of a variable speed A.C. commutator motor with remote control of speed by push buttons.

In case of emergency an electro-magnetic brake automatically stops the machine.

Technical data:

CHITICO	n data.									
٢	1aximum Printing	Surface								14 <u>3</u> "×21 "
S	ize of 4-page Cop	y (with 32	" width	reel)						22 "×32"
S	tandard Width of	Paper Ree	1							32″
Р	rinting Diameter									14"
١	Number of Plates									8 pcs.
٨	Number of Plates f	or sceond	colour							4 pcs.
Ţ	hickness of Plates	:		•••		•••				l4 mm.
T	hickness of Blanke	et		• • • •						5 mm.
S	tandard Speed			•••						12,500 cyl r/h
C	Output: Average	as follows								
NI.	-f shoots	No of some		haur		da a	f na.e.		h cal	our Width of rool
140.		2		, nour 000	,	40. C		:s wit	.11 CO	our Width of reel
	1/2	_						-		
	l	4		000				2		32″
	2	8	12,	500				4		32."
Р	ower Required		•••							20 H.P.
	Overall Dimension									neight 2 m.
`	yeran Dimension	,	,			,, .				
S	tandard Equipmen	t includes	one eac	h of:						
1	-Matrix Moulding	Press		I-R	oute	er w	ith	Elec	tric	Drive
1	-Oscillating Cup	Casting Pla	nt	1-5	have	r fo	r Cu	ırve	d St	ereos
١	-Melting Pot			I-T	rimr	ning	Αp	para	tus	
	Ū									
	o `	Ū	,. •				•	•		12,650 kgs. approx.
(Gross Weight				••	• • •	•••	•••		15,250 kgs. approx.
S	hipping Space				••	• • •	•••	•	•••	22.65 cu. m. approx

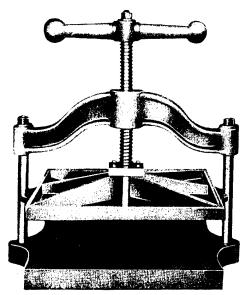




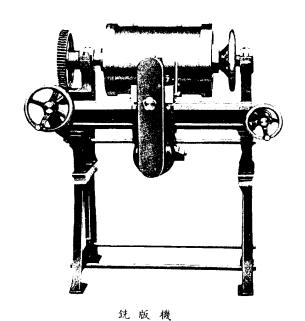
OVERALL DIMENSION

25X1

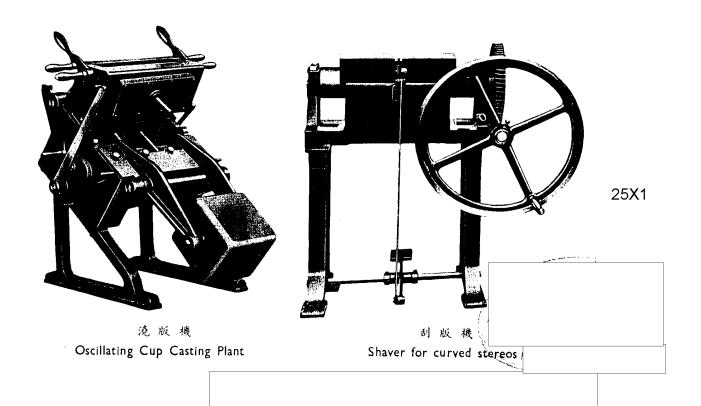
STANDARD EQUIPMENT



烘 版 機 Matrix Moulding Press



Router with electric drive



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CHINA NATIONAL LEIPZIGER STR	MPORT & EXPORT CORPORATION 112 W8 CABLE: CNIEC BERLIN BRANCHES 171 Chien Shieh Road (Ho Si District)	
CHINA NATIONAL LEIPZIGER STR TIENTSIN OFFICE:	MPORT & EXPORT CORPORATION 112 W8 CABLE: CNIEC BERLIN BRANCHES 171 Chien Shieh Road (Ho Si District) Cable Address: TRANSMACH Tientsin 27 Chung Shan Road E1	

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中國運輸機械道

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

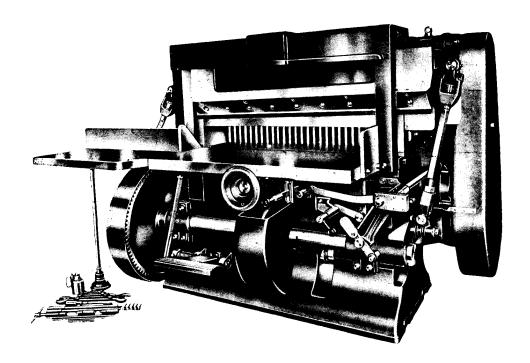
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

自動切紙機

AUTOMATIC PAPER CUTTING MACHINE MODEL PC50



This machine is especially suitable for large factories desirous of having a modern machine of high output. Clamping of the material, cutting and raising of the knife take place automatically. The automatic clamping device acts immediately after the machine has been started; it transmits pressure upon the full depth of the pile. Mechanical forward and backward movements of the back gauge are controlled by a lever. The exact distance between the knife and the back gauge is indicated by a cutting space indicator which, in conjunction with the side gauge on the front table, facilitates feeding and ensures perfect square cut. The main shaft is equipped with a multi-disc clutch, by means of which the cutting pressure can be regulated. The machine is driven by an electric motor, all driving belts being effectively guarded.

Model			•••	 			PC50
							1270 mm (50")
							130 mm (S-1/8")
							4 seconds
Installatio	n Flo	or	Space	 • • •			2450×2600 mm (98"×104")
Motor							
Weight			•••	 	• • •	• • •	Net: 3600 kgs. Approx.
							Gross: 4300 kgs. Approx.
Shipping S	расе						II ou m Approx

中國運輸機械進口公司

自动切紙機 PC 50 型

使用說明:

此項切紙机适合于大型印刷和裝訂工厂之用,其产量甚高,压紙切紙及切刀升降均 系自动。开車后压紙設备即进行工作,压力均匀,幷裝有机动規尺,可以前后移动。刀 片与規尺間之距离,由刻度表指明。該表与側面之規尺联合使用,俾使切紙准確。

本机主軸附有多片式离合器可用来調整切紙压力。

本机由电动机傳动,皮帶有防护罩,以策安全。

主要規格:

型 号:	PC50
切紙寬度:	1270 公厘(50")
切紙高度:	130 公厘(5½")
每刀时間:	4 秒
裝置面积:	·····································
需要馬力:	5 PC
重 量:	(淨重)約3600公斤
	(毛重)約4300公斤
装箱尺寸:	約11 立方公尺

25X1

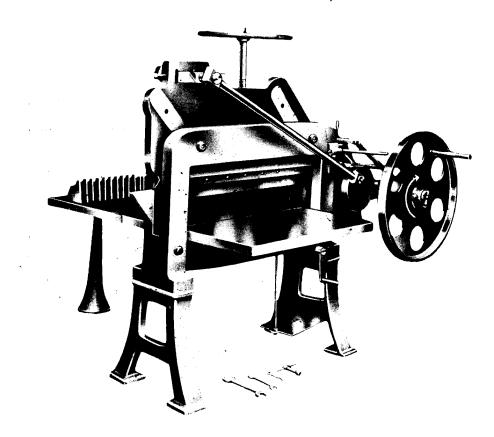
对开切纸机 PC-36 型

使用說明:

本机可用电力傳动或由人工操作,構造坚固,产量甚高,切刀在最高位时,能自动 分离,夾刀器由兩槓桿操作,工作台高低可調节使用,压紙設备以手輪操作,本机适用 于中小型切紙工厂。

型 号:	PC36
切紙長度:	914公厘(36")
切紙高度:	130公厘(5½")
台面尺寸:	1080×927公厘(42½″×36½″)
装置面积:	2083×2438公厘(82″×96″)
重量:	(淨重)約1100公斤
	(毛重)約1400公斤
裝箱尺寸:	約2.5 立方公尺

對 開 切 紙 機 PAPER CUTTING MACHINE, MODEL PC36

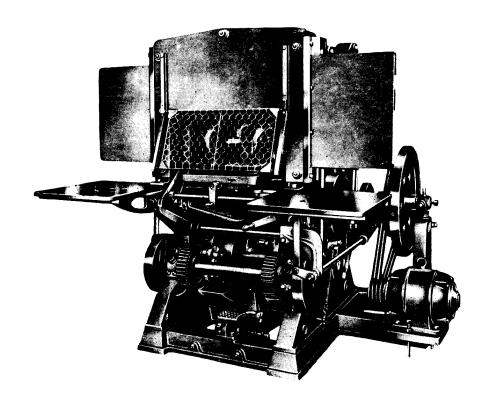


This machine is so arranged that it can be driven either by hand or by power. It is of sturdy construction and has a high production capacity. The knife is automatically disengaged at its highest position. The knife holder is provided with double side connecting rods for diagonal cutting. The height of the table can be adjusted to avoid under or over cutting. The back gauge is adjusted by means of spindle and crank. The pressing beam is operated by a hand wheel. For power drive, an electric motor of $1\frac{1}{2}$ M.P. is required. Starting and stopping of the machine are effected by a coupling clutch operated by a hand lever. This model is constructed for small enterprise, but can be utilized as a good auxiliary machine in large printing establishments.

Model	• • • •		• • •	PC 36
Length of Cut				915 mm (36")
Height of Stack		•••		I30 mm (5–I√8″)
Table Surface	• • •			$1070 \times 915 \text{ mm } (42\frac{1}{2}" \times 36\frac{1}{2}")$
Installation Floor Space				2060×2400 mm (82"×96")
Weight	• • •	• • •	•••	Net: 1100 kgs. Approx.
_				Gross: 1400 kgs. Approx.
Shipping Space				2.5 cu. m. Approx.

三面切紙機

THREE KNIFE BOOK TRIMMING MACHINE, MODEL BT



This machine is very popular to book-binding factories. It continuously trims stacks of paper, books, etc. on three sides. The automatic clamping device acts before the cutting operation; it transmits pressure on the entire top surface of the pile. The adjustment of the side-knives and of the back gauge, which becomes necessary for trimming a pile of another size, can be made in the most simple manner. Forme plates of different sizes can be supplied at buyers' option. The cutting zone is protected with guard screen so that the machine is accident proof.

Model				BT
Number of Cutting Knives				
Time of each Cutting				
Minimum Size to be cut				
Maximum Size to be cut				$254 \times 406 \text{ mm} (10^{\circ} \times 16^{\circ})$
Height of Stack				$57 - 132 \text{ mm } (2\frac{1}{4}'' - 5\frac{1}{4}'')$
Installation Floor Space				2200×2100 mm (88"×84")
Motor				
				Net: 3500 kgs. Approx.
	•••	•••	•••	Gross: 3800 kgs. Approx.
Shinning Space				9.2 cu. m. Approx.

中國運輸機械進口公司

訂 書 机 WSP 型

使用說明:

本机事供訂書之用,系电力傳动或由脚踏操作。訂書时用园形鋼絲,工作方便。

型 号: WSP
可訂厚度: 200 頁報紙
騎馬釘長度:127" (½)
最高产量:120釘/分
装置面积:
需要馬力:1匹
重 量: (淨重)約 160 公斤
(毛重)約230 公斤
装箱尺寸:

油泵拖紙機工型

使用說明:

本机操作敏捷簡便,印刷厂用以輸送紙張可增加生产。減低成本。

型	号:			LT
最高	战重量	<u>.</u>	750公斤	(1650磅)
尺	寸:		965 × 470 >	<165 公厘
			$(38'' \times 18\frac{1}{2})$	("×6½)
重	量:	(淨重)	終	J 118 公斤
		(毛重)	終	J 140 公斤
装箱。	尺寸:		約 .2:	5立方公尺

中國運輸機械進口公司

三面切紙機BT型

使用說明:

本机專供裝訂書籍和各种杂誌刊物等,可連續修切整齐,在未切之前以压紧器自动 压紧工作物,运用自如。

切紙尺寸可由台面規尺示明,侧面刀片随意調节,使用簡便,切紙部份有防护設备以策安全。

型 号: ···· BT
刀 数:3 把
毎切时間:10秒
切紙最小尺寸:
切紙最大尺寸: ··········305×406公厘(12"×16")
切紙高度:
装置面积: · · · · · · · · · 2235 × 2134公厘 (88" × 84")
需用馬力:
重 量: (淨重) 約 3500公斤
(毛重) 約 3800公斤
装箱尺寸:

25)

訂 書 機

WIRE STITCHING MACHINE, MODEL WSP

This machine is specially made for book binding work. It is driven either by electric motor or by treadle. For book binding, round shaped wire is used. The staple is struck from upside and bent underneath.

Model WSP

Thickness About 200 sheets of news-

paper.

Staple Length 12.7 mm $(\frac{1}{2}")$

Maximum Capacity ... 120 staples per minute

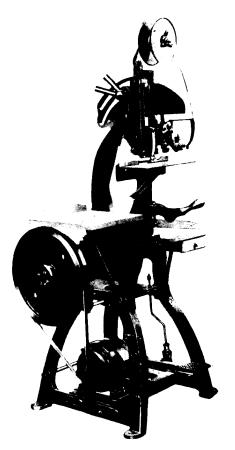
Installation Floor Space:... $686 \times 711 \text{ mm } (27" \times 28")$

Motor 1 H. P.

Weight Net: 160 kgs. Approx.

Gross: 230 kgs. Approx.

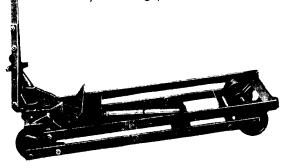
Shipping Space I cu. m. Approx.



拖 紙 機

HYDRAULIC LIFTING TRUCK, MODEL LT

One of the important operations in any printing establishments is to handle materials efficiently. This hand lifting truck facilitates material handling, thereby reducing production cost.



Model ... LT

Maximum Load... 750 kgs.

Size 960 \times 470 \times 160 mm (38 $^{\prime\prime}$ \times 18 3 $^{\prime\prime}$ \times 6 1 $^{\prime\prime}$)

Weight ... Net:

118 kgs. Approx.

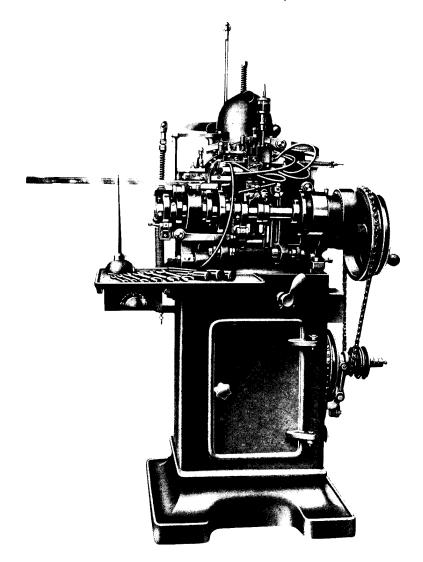
Gross:

140 kgs. Approx.

Shipping Space 0.25

0.25 cu. m. Approx.

轉字 機 TYPE CASTING MACHINE, MODEL TCL



This machine is developed for high speed casting of sharp and clear types. The essential parts are made of high grade carbon steel; those, which are subject to wear, as well as the shafts are hardened and heat treated. The most important part of this machine, the matrix case, is made of special chromium alloy steel and precision ground ensuring production of sharp metal types. It is arranged for heating by electric current, consuming about 3 kw. The machine is equipped with a $\frac{1}{2}$ H.P. electric motor and a type casting case, the size of which is at buyer's option.

中國運輸機械進口公司

鑄字機 TCL型

使用說明:

本机是高速鑄澆鉛字之文化母机,其構造系用国产优良炭素鋼制成,主要輪軸等件 均經热处理,加強硬度,經久耐用,其附件鑄字盒,采用特种高鉻合金鋼(即不伸縮鋼) 精密磨制而成,出品鉛字光洁正確。

性能:

能鑄大号鉛字(即28POINT)到七号(即6POINT)附件鑄字盒內配有同样高低尺寸之鑄字盒鋼板(即盒心)三块,詳細規格由使用單位决定。

主要規格:

速度:

每分鐘出品:

大号鉛字(28POINT) 15-20个
二号鉛字······(21POINT) 30-35个
三号鉛字······(16POINT) 50-55个
四号鉛字······(14POINT) 70-80个
五号鉛字······(10.5POINT)90-100个
新五号鉛字(9POINT) 100-110个
六号鉛字······(8POINT) 110-120个
七号鉛字······(6POINT) 130-150个
机器总尺寸: ············(長×寬×高)980×650×1450公厘—
装箱体积: ····································
机器重量:毛重 485 公斤(附另件及应用工具)
附屬設备: ·····华氏 1000° 热度表一支
工具一套:4"6"8"旋凿一套
六件呆扳头———————————————————————————————————
嘴吧扳头———————————————————————————————————
油

鑄字 盒 TCC 型

使用說明:

本盒系采用特种高鉻合金鋼(不伸縮鋼)經热处理,精密磨制而成,系鑄字机最主要之精密配件,出品鉛字光洁正確,其精密度符合国际标准。

主要規格:

种类及性能:

固定式鑄字盒(專鑄一种号別鉛字,使用壽命特長)

活絡式鑄字盒(能燒高低尺寸相同之多种号別鉛字)

空鉛鑄盒(能澆二号至六号等各种空鉛)

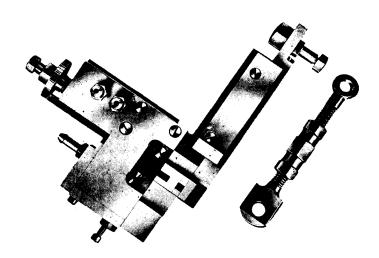
裝箱体积: (長×寬×高)………………230×180×90公厘

重 量: ………毛重: 四公斤

附屬設备: ………毎鑄字盒附鋼版(即盒心)三塊

詳細規格由使用單位决定。

轉字 盒 TYPE-CASTING CASE, MODEL TCC



These Casting Cases are made of special chromium alloy steel, precision ground and heat treated ensuring production of clear and sharp metal types. They are available in three models:

TCC-A: Fixed model used for casting assigned sizes of types.

TCC-B: Adjustable model used for casting various sizes of types of uniform height.

TCC-C: Universal quotation casting box for casting short types (for space use) from No. 2 to No. 6.

Each type-casting case is provided with 3 sets of steel moulds, specification of which is at buyer's option.

Dimension and Weight Dimension $230 \times 180 \times 90$ mm (9" \times 7" \times 3½") Weight 4 kgs. Approx.

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CHINA NATIONAL IMPORT & EXPORT CORPORATION

LEIPZIGER STR. 112 W8 CABLE: CNIEC BERLIN

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27 Chung Shan Road EI

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CANTON OFFICE:

25 Tai Ping Road South

Cable Address: TRANSMACH Canton

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25X1

Universal Circular Saw

Specification

1. Work pieces

Max. height 120 mm. Max. width 400 mm. 2. Max. diameter of saw blade 500 mm. 3. Speed of saw blade 2800 rpm 4. Max. inclination of work table. 45°C 5. Lifting height of work table 100 mm. 6. Electric motor power 5.1 kw. speed 3000 rpm. 7. Overall dimension (L x W x H) 1140x900x1150 mm. 8. Overall weight 500 approx. kgs.

25X1

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中國運輸機械進口公司 CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

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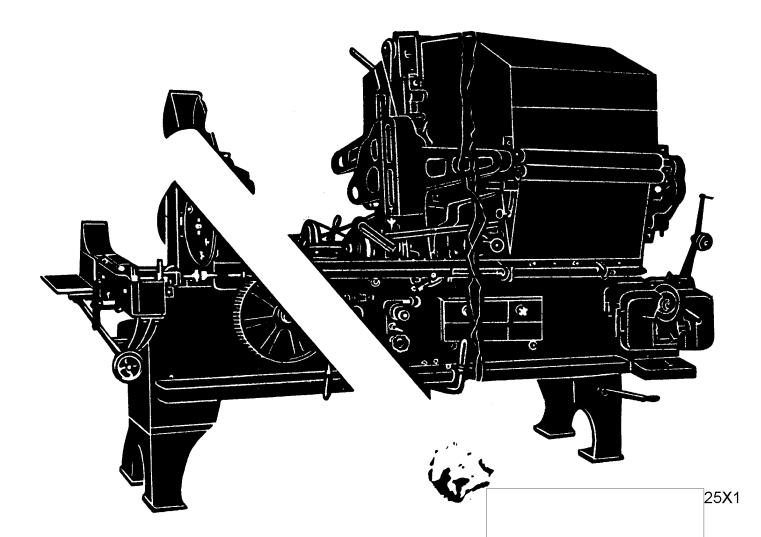
25X1

This robust and durable candy machine is designed for making different kinds of fruit drops for confectioners. It can be driven either manually or by means of motor.

Granulated sugar is first melted and formed into a sugar strip and then fed into this machine to be compressed by moulds into the finished fruit drop candies. With different forms of moulds and attachments, the machine is capable of producing candies in different forms and shapes.

Output from Granulated Sugar	Hard candy 30 kgs./hr.
Diameter of Mould	10—30 mm.
Main Shaft Speed	200 rpm. (motor driven)
Power Required	½ H.P.
Weight	Net 65 kgs. Approx.
Shipping Space ($L \times W \times H$)	630×530×450 mm. Approx.

CIGARETTE MACHINE



中國運輸機械進

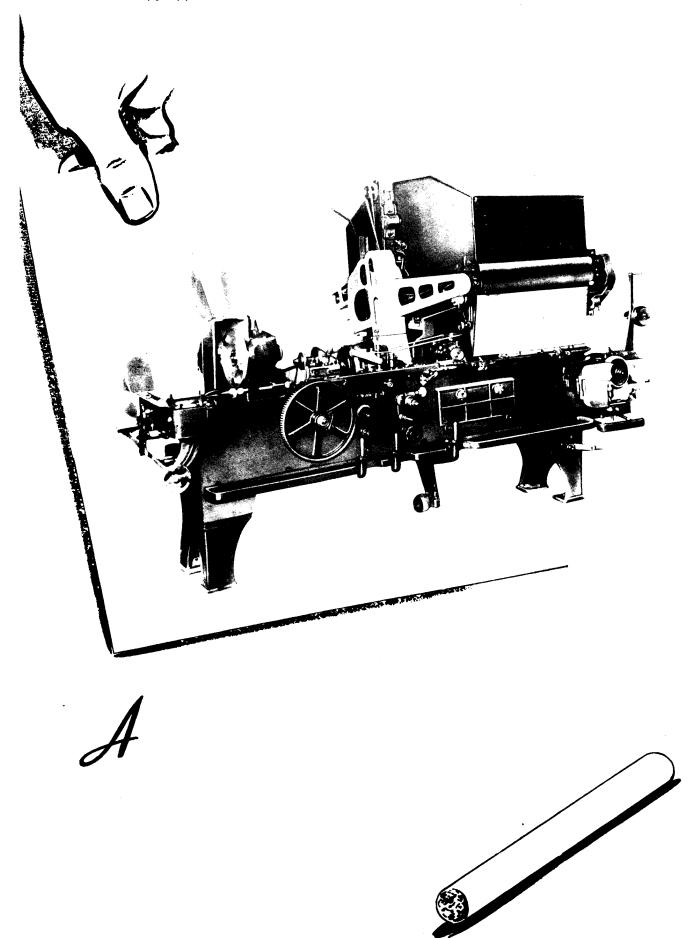
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捲 煙 機

"NEW CHINA" CIGARETTE MACHINE

Type: High speed automatic drive with oil pump lubrication.

Construction: In this machine tobacco is wrapped by paper, pasted, dried and cut in regular lengths to form cigarettes. Its main components are:

Leaf arranging device,

Printing box, Paste container, Electric heater,

Drive spindle with cutting knife &

Conveyer.

Production: This machine will produce 1000 cigarettes per minute. About 80 to 90 kgs of tobacco are required to produce 50000 cigarettes.

Power required: 3 H.P. motor, 1450 rpm, 50 cycles.

Space occupied: length 10' ≤ width 6' ≤ height 7'

Packing dimension: I case $10'6'' \times 3'6'' \times 5'$ approximately

I case $6'6'' \times 5' \times 7'6''$

Total weight: Net 2500 kgs; Gross 3100 kgs. approximately

Particulars of the following various auxiliary machines for cigarette manufacturing will be supplied upon request:

- a) Tobacco Cutting Machine with 10" knife
- b) Tobacco Cutting Machine with 16" knife
- c) Stalk Crusher (or Stem Flattening Machine)
- d) Cigarette Carton Machine
- e) Automatic Wrapping Machine
- f) Packing Machine
- g) Knife Grinder
- h) Tobacco Drying and Cooling Machine
- i) Tobacco Recovering Machine for Waste Cigarette
- j) Leaf Moistening Machine
- k) Leaf Drying Machine
- l) Casing Cylinder (in which the tobacco is given moisture and spices).

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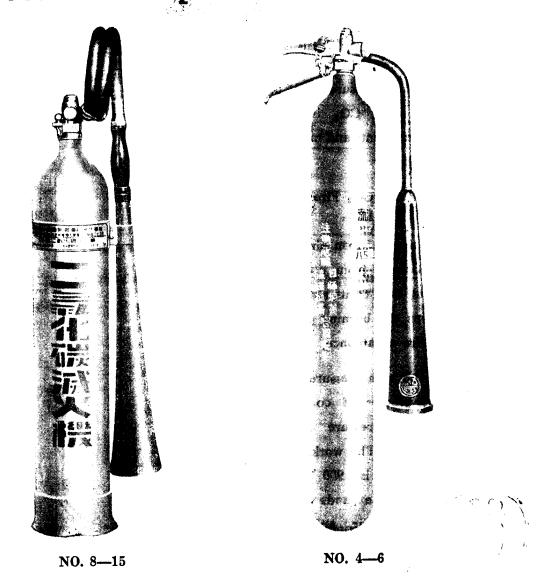
Cable Address: TRANSMACH Shanghai

CANTON OFFICE:

25 Tai Ping Road South

Cable Address: TRANSMACH Canton

BTB 型二氧化碳滅火機 TYPE BTB CO₂ FIRE EXTINGUISHER



中國運輸機械進口公司 CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION IMPORTERS & EXPORTERS

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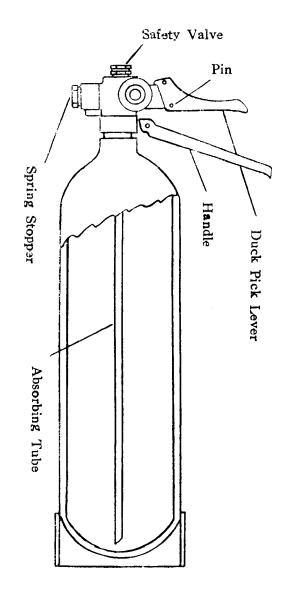
TYPE BTB CO₂ FIRE EXTINGUISHER

CO₂ is a colorless gas, specific gravity: 1.254; boiling point: -78.5°C; critical temperature: 31.35 °C; critical pressure: 72.9. At 36% atmospheric pressure and below O°C is liquid in form. CO₂ is inertgas, harmless to both equipments and machineries and also non-inductive

Efficiency of Type BTB CO₂ Fire Extinguisher:

CO₂ forms a partition between air and fire, which prevents oxygen from approaching the burning objects. Due to its strong cooling effect, weakens the burning point and exterminates the fire all at once.

CO₂ is stored in the high pressure resisting steel Cylinder by process of compression, while the Cylinder's pressure resistance is 211 kgs per sq. cm. The working pressure in the Cylinder is 900-1100 lbs. When CO₂ is released, it expands vigorously up to 450 times stronger, and absorbs enormous heat forming snowy and foggy manner, therefore, the temperature drops to 79°C, below O°C. By discharging CO₂ to



the fire district the temperature of the blaze will be much weakened. In case the volume of the CO₂ is under O°C, it will become liquefaction at the pro rata of 36-38% atmospheric pressure, fire will certainly be exterminated. Inasmuch as such particular effect, this type of fire extinguisher is most suitable for indoor use.

Numbers of Type BTB CO₂ Fire Extinguisher:

No. 2; No. 4; No. 6; No. 8; No. 10; No. 12; No. 15;

Construction of Type BTB CO₂ Fire Extinguisher:

Type BTB CO₂ Fire Extinguisher is made of seamless steel pipe, being heat treated. No. 8 and above are fitted with high pressure steel wired rubber tubes, while No. 6 and under are fitted with rubber coated copper tubes. A rubber Horn is connected to one end of the tube. The mouth of the steel Cylinder is equipped with copper-aluminium alloy Duck Pick Lever, operating the open and close of the valve. A copper Absorbing Tube is fitted in the center of the Cylinder. By means of operating the Duck Pick Lever, it allows the CO₂ pass up to the Horn through the Absorbing Tube when used in emergency. The purity of CO₂ in the steel Cylinder is 90% up.

Purpose of Type BTB CO₂ Fire Extinguisher:

Suitable for oil and fat, machines and valuable articles, also with high efficiency to indoor fire accidents. As a matter of safe protection, vehicles, aircrafts, trains, steamers, electrical equipments, oil storages, chemicals, warehouses, valuable machine parts, and instruments should be provided with Type BTB CO₂ Fire Extinguishers.

Operation of Type BTB CO₂ Fire Extinguisher:

Pull out Pin. Remove Horn. Squeeze Duck-Pick Lever to open valve pointing to fire spot. The nearer the better the CO₂ Fire Extinguisher is thrusted to the surrounding of the fire and spray gradually to the center. Any moment the Duck-Pick Lever is released, valve shuts up instantly and operation ceases. Do not discharge spray against wind. Right after the indoor operation, pay great attention to house ventilation.

Maintenance and inspection:

Inspect every two months. Weight should correspond with the figure as stamped on the Cylinder. Test the Cylinder in every two years by water pressure 211 kg per sq. cm., and Duck-Pick Lever 70.34 kg per sq. cm.

Always place the CO₂ Fire Extinguisher under temperature of 42°C so as to avoid explosion and loss of CO₂. Do not expose the CO₂ Fire Extinguisher in the moist place, which usually corrods metals. Careful handling and not to bump. Protect Duck-Pick Lever and Horn with all cares.

TYPE BTB CO2 FIRE EXTINGUISHER:

Type BTB	Discharging Distance	Duration	Weight of CO ₂
No. 2	1 m	5 10 seconds	0.81 1.01 kgs
No. 4	1,2 m	10 14 ,,	1.66 1.96 ,,
No. 6	1.8 m	14 20 "	2.52-2.92 "
No. 8	1.9 m	20 30 ,,	3,43 3 83 "
No. 10	1,9 m	25 30 ,,	4.34 4.74 "
No. 12	1.9 m	30 40 ,,	5.24 5.64 "
No. 15	2 m	35-45 "	6.6-7.00 "

Outstanding Features:

Type BTB CO₂ Fire Extinguishers are filled with gas, different from bubbling liquid carbon tetrachloride liquid extinguishers. After discharging performance no damage whatsoever would be caused to articles. Can resist rigid coldness. Needless to recharge once a year as those of the foregoing mentioned extinguishers.

Packing:

Tuna BTB	Approxima	te Weight	Case	Approximate
Type BTB	N/W	G/W	Containing	Measurement
No. 4	8.6 kg	23.2 kg	2 pcs	24-6/8"X11-6/8"X8"
No. 6	12.4 kg	34.8 kg	2 "	33"X11"X8"
No. 8	17 kg	46.6 kg	2 "	29"X15-5/8"X11"
No. 10	21.6 kg	55.8 kg	2 "	29"X15-5/8"X11"
No. 12	23,2 kg	33,2 kg	1 pc	36"X 8 "X11"
No. 15	28 kg	38 kg	1 "	36"X8"X11"

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CABLE ADDRESS: TRANSMACH TIENTSIN

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CABLE ADDRESS: TRANSMACH SHANGHAI

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建航牌基學池 Storage Battery

Kin Hong



25X1

中國運輸機械

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

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CARLE ADD: TRANSMACH PEKING

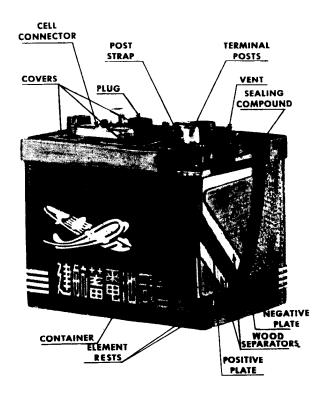
我公司經售之"建航"牌蓄電池是完全選用上等原料所製成,品質優良,電力強大,容量準確,壽命特長,已為用家所普遍歡迎。

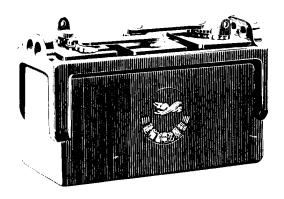
"建航"牌蓄電池規格繁多,本目錄所列者只是通常所用之各種 規格以供採用;此外對于本目錄未有列入之各種規格,只要惠寄圖 樣,說明規格,我公司就可以按照要求承接定製。

The "Kin Hong" Brand Storage Battery exported by our Corporation is made of perfectly superior materials. Best quality! Strong power! Correct capacity! Long life! It is widely welcomed by all users.

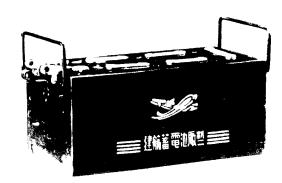
There are many specifications of "Kin Hong" Brand Storage Battery and the various specifications stated in this Catalogue are those being commonly adopted. Besides, regarding the various specification not listed in this catalogue, we are pleased to have the esteemed orders and manufacture in compliance with the customers' requirements according to their drawings and illustrative leaflets of the detailed specifications favoured to us.

BATTERY CONSTRUCTION

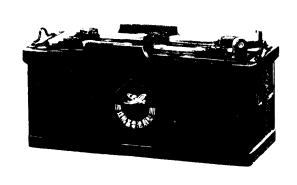




STORAGE BATTERY FOR VESSELS



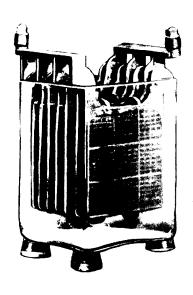
STORAGE BATTERY FOR TANKS

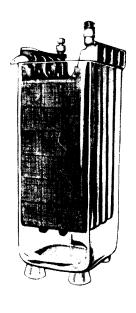


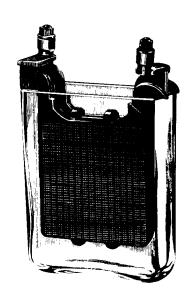
STORAGE BATTERY USED FOR TRUCKS



STORAGE BATTERY FOR AUTOMOBILE



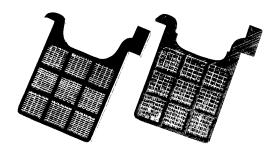




STATIONARY STORAGE BATTERY

STATIONARY STORAGE BATTERY

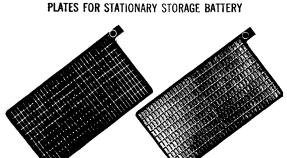
STATIONARY STORAGE BATTERY



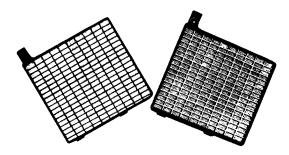
PLATES FOR STATIONARY STORAGE BATTERY



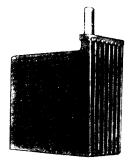


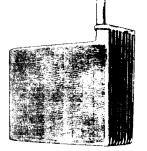


H.S. POS. & NEG. PLATES FOR VESSEL STORAGE BATTERY



HS POS. AND NEG. PLATES





MS POS. AND NEG. PLATES

汽車用蓄電池 STORAGE BATTERY FOR AUTOMOBILE



This Storage Battery is Suitable for use in starting machine of various Automobiles, Trucks and Tractors.

SPECIFICATIONS OF STORAGE BATTERY FOR STARTING MACHINE

Models	Volta- ges Volts	Per Cell Number of	20 hour Discharge Rating in Ampere hour Standard Capacity	Minimum Voltage Allowed to be	Overall Measurements (MM)			Approx. Net Weight
	VOITS	plates	(Temperature of Electrolyte 26°C)	Dischar- ge Volts	Length	Width	Height	(Kgs.)
MS MODEL 3-91	6	15	91	5.4	239	175	200	19
MS MODEL 3-104	6	17	104	5.4	260	175	195	27
MS MODEL 3-117	6	19	117	5.4	278	175	195	22.5
MS MODEL 3-130	6	21	130	5.4	306	175	204	24
HS MODEL 3-154	6	23	154	5.4	326	175	204	25.5
HS MODEL 6-126	12	19	126	10.8	515	220	210	47
HS MODEL 6-140	12	21	140	10.8	515	220	210	5I

CAPACITY AND MEASUREMENT OF PLATE FOR STARTING MACHINE

	М			Capacity for Each Positive Plate (Electrolyte Temperature 26°C)										
Plates Models	Measurement of Plates (MM)				20-hour Dis- charge Rating		10-hour Dis- charge Rating		ute Dis- Rating	6 Minute Dis- charge Rating				
	Height	Width	Thick- ness		Termin- ating of Voltage (Volts)		Termin- ating Voltage (Volts)		Termin- ating Voltage (Volts)					
HS Positive Plates	135	141	2	14	1.8	13.5	1.8	6.5	1.7	4	1.5			
HS Negative Plates	135	141	2		:									
MS Positive Plates	122	141	2.5	13	1.8	12.8	1.8	6	1.7	3.75	1.5			
MS Negative Plates	122	141	2						:	•				

CURVE OF CHARACTERISTIC DISCHARGE
OF PLATES FOR STARTING MACHINE

TEMPERATURE : 26° C

VOLTAGE
2.1
1.9
1.7
1.5
2.4 6 8 10 12 14 16 18 20 22

TIME (MINUTES)

SPECIFIC GRAVITY OF ELECTROLYTE: 1.28

VOLTAGE

2.1
2 0
1.9
1.7
2 4 b 8 10 12 14 16 18 20 22

TIME (HOURS)

固定蓄電池 STATIONARY STORAGE BATTERY

Stationary Storage Battery is suitable for Main Power Station, Generating Electricity Station, Wireless and Wire Operation, Mines and various Laboratory etc. and is used for commanding DC Electricity sources for lighting and communications.

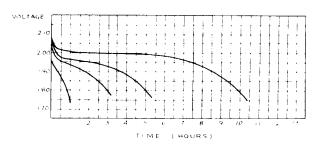
SPECIFICATION OF STATIONARY BATTERY

				(Ampe	acity re hour)		Meas	Overall urement		Dis- charging Appro	
	Models	No. of Plates	Voltage (Volts)	hours	Per 5 hours discharge rating	Con tainer	Height	Width	Length	Standard Flectric Current (Ampere)	Weight (ligs.)
Stationary	Model 1-1	.3	2	: 36	29	Glass Wate	270	215	80	3.6	11.5
	1.2	,	2	72	58	,,,	270	215	- 130	7.2	18
	1.3	7	2	108	87	.,	270	205	180	10.8	25.25
	1-4	9	2	144	116	į	290	205	204	14.4	32
,	1.5	*11	2	180	145		290	205	276	. 18	38.5
	1-6	1,3	2	216	.74		290	205	276	21.6	45
	2-3	7	2	216	:74	.,	485	195	220	21.6	36
,.	2-4	ų	2	288	232	,,	485	195	220	28.8	28.13
	2.5	li .	2	360	290	,,	485	205	240	36	62
	2.6	13	2	432	348	,,	485	205	270	43.2	72.5
	2-7	15	2	504	406	., '	485	205	295	50.4	83
,,,	2-8	17	2	576	464		485	205	345	57.6	94
,,,	2-9	19 .	2	648	522	,,	485	205	395	64.8	104.75
• • • • • • • • • • • • • • • • • • • •	2-10	21	2	720	580	,,	485	205	425	72	115.5

CAPACITY AND MEASUREMENT FOR STATIONARY PLATE

Plate Models	Plate I	Measuremen	t (MM)	Discharging Capacity per plate (Ampere Hours)		
Place Plodels	Height	Width	Thickness	Discharging rate per 10 hours	Discharging rate per 5 hours	
Stationary Model + Semi-Finished positive plate	177	170	u	56	29	
Stationary Model 1 Ointment type negative plate	177	170	8.6		•	
Stationary Model 2 Semi-Finished positive plate	345	170	11	72	58	
Stationary Model 2 Ointment type negative plate	345	170	8.6			

CURVE OF CHARACTERISTICS OF DISCHARGING OF STATIONARY PLATE SPECIFIC GRAVITY: 1225 TEMPERTURE: 26°C



着技术设置与复数更多 STORAGE BASIGAY FOR VESSELS, NINES 4 TRALES



This storage baldery is exitable for the or vettale, minor, transplaced in machine and lighting

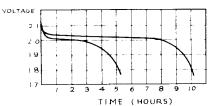
SPECIFICATIONS OF STORAGE BATTERY FOR VESSELS, MINES & TRAMS

		Cap- Ampere	acity e hours	Measurement (MM)			Kinds of containers		Approx.
Models	Voltage (Volts)	IO-hours discharge rating	5-hours discharge rating	Length	Width	Height	Cells	Cases	(kgs)
MS Model 3-14-189	6	189	182	410	180	205		Hard Rubber	34
MS Model 3-14-350	6	350	336	530	210	380	Hard Rubber	Teak Wood	69.5
HS Model 4-14-350	8	350	336	694	210	380		, ,,	92.5
HS Model 5-14-350	10	350	336	858	210	380	. "	. "	115.5
Ointment Type with glass wool and wooden separator Model 3-7-378	6	373	339.5	530	210	380	! ,,	. "	75
Ointment Type with glass wool and wooden separator Model 4-7-378		378	339.5	694	210	380	"	. <i>.</i> .	100
Ointment Type with glass wool and wooden separator Model 5-7-378		378	339.5	858	210	380	, ,,	,,	125

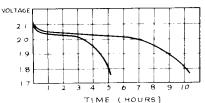
CAPACITY AND MEASUREMENT FOR PLATE OF STORAGE BATTERY-FOR VESSELS, MINES AND TRAMS

	Me	asurement (M	M)	Capacity per positive plate (Ampere hours)			
Plate Models	Height	Width	Thickness	10-hours discharge rating	5-hours discharge rating		
MS Positive Plate	135	141	2	13.5	13		
MS Negative Plate	135	141	2		i i		
HS Positive Plate	247	141	2.5	25	24		
HS Negative Plate	247	141	2.5				
Ointment Type Positive Plate	247	141	5.5	54	48.5		
Ointment Type Negative Plate	247	141	3.5				

CURVE OF CHARACTERISTIC DISCHARGING OF DINIMENT TYPE PLATE SPECIFIC GRAVITY: 1,265 TEMPERTURE: 26°C



CURVE OF CHARACTERISTIC DISCHARGING OF PLATE OF STARTING TYPE SPECIFIC GRAVITY 1.265 TEMPERATURE . 26°C



電源動力蓄電池 STORAGE BATTERY FOR ELECTRICITY SOURCES GENERATION

This Storage Battery can be used for sources of DC electricity supplies for Passenger Vehicle Lighting, Commanding Oil Circuit Breakers in Power Station and Generator Station. Electric Lorry Truck and Laboratory.

This Storage Battery is made of 2 volts and its advantage is that it can be organized to be Storage Battery of Multiple Voltages.



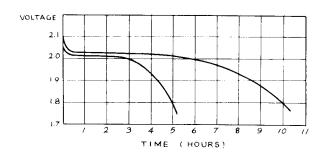
SPECIFICATIONS FOR STORAGE BATTERY OF OINTMENT TYPE WITH GLASS WOOL AND WOODEN SEPARATOR.

				acity e hours)	Meas	Approx.		
Models		No. of Plates	Dis- charging rate per 10 hours	Dis- charging rate per 5 hours	Length	Width	Height	net weight (kgs)
Ointment Type with Glass Wool & Wood Separator Model 1-11	2	11	290	250	195	73	333	13.75

SPECIFICATIONS FOR STORAGE BATTERY PLATE OF OINTMENT TYPE AND ELECTRIC SOURCES GENERATION

Plate Models	Plate	Measuremer	nt (MM)	Capacity per Positive Plate (Ampere hours)			
- race rioders	Height	Width	Thickness	Discharging rate per 10 hours	Discharging rate per 5 hours		
Ointment Type Positive Plate	222	182	4	58	50		
Ointment Type Negative Plate	222	182	3.5				

CURVE OF CHARACTERISTICS OF DISCHARGING OF STORGE BATTERY PLATE OF OINTMENT TYPE WITH ELECTRIC SOURCES
GENERATION. SPECIFIC GRAVITY: 1265 TEMPERATURE: 26°C



小型信號羅盤電源蓄電池 SMALL MODEL ELECTRICITY SOURCES STORAGE BATTERY FOR SIGNAL AND COMPASS

This Small Model Storage Battery is used for supplying the electricity sources for special military signal, navigation compass, laboratory and small model exchange boards.

SPECIFICATIONS FOR ELECTRIC SOURCES SUPPLYING SMALL MODEL STORAGE BATTERY FOR SIGNAL AND COMPASS

			Plates	Voltage	Capacity 20 hours	Measurement (MM)			Approx.	
Mod	Models	per pc.	per pc.	(Volts)	discharge rating (Ampere hr.)	Height	Width	Length	weight (kgs)	
Small & Model 3		15	5	6	20	140	120	120	5.25	

CAPACITY AND MEASUREMENT FOR ELECTRIC SOURCES SUPPLYING SMALL MODEL STORAGE BATTERY FOR SIGNAL AND COMPASS

DI M 11	M	easurement (M	Discharging capacity per positive plate rate		
Plate Models	Height	Width	Thickness	per hour (Ampere hour)	
Positive plate Light & Small Model 3-5	86	100	6	10	
Negative Plate Light & Small Model 3-5	86	100	35		

携 帶 式 蓄 電 池 PORTABLE STORAGE BATTERY

The Storage Battery of this Model is used for supplying the electricity source for school teaching and laboratory experiment, and also can be used for co-operating with the electricity sources for special current experiment, lighting and small model radio exchange station.

SPECIFICATIONS FOR PORTABLE STORAGE BATTERY

	No. of	Plate	Voltag e	Capacity discharging	discharging Measurement (MM)			Approx.	
Models	per pc.	per cell	(Volts)	rate per 20 hours (Ampere hr.)	Height	Width	Length	weight (kgs)	
Portable Model 3-17	51	17	6	50	253	132	344	7,5	

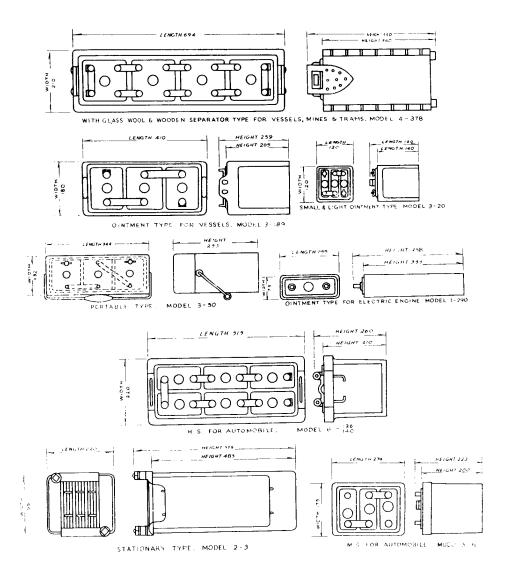
CAPACITY AND MEASUREMENT OF PORTABLE STORAGE BATTERY PLATE

DI . M . I . I	M∈	easurement (1	Capacity per Positive Plate 20 hours discharge		
Plate Models	Height	Width	Thickness	rating (Ampere hours)	
Portable Positive Plate Model 3-17	121	81	2.5	6.25	
Portable Negative Plate Model 3-17	121	81	2.5		

LIST OF SPECIFICATIONS OF "KIN HONG" BRAND STORAGE BATT POSITIVE AND NEGATIVE PLATE IN VARIOUS MODELS

	POSITIVE AND NEGATIVE PLATE IN			ODEL:		
Models of		l	Meas	urement	(MM)	Standard Capacity
Storage Battery suitable for:	Models and Names of Plate	Original Nos.	Height	Width	Thick- ness	per Positive Plate (Ampere Hrs.
	M.S. Positive Plate	1	122	141	2.5	13
	M.S. Negative Plate	2	122	141	2.5	
	M.S. Positive Plate	3	122	141	2	12.5
	M.S. Negative Plate	4	122	141	2	
	H.S. Positive Plate	5	135	141	2.5	15
6 0	H.S. Negative Plate	6	135	141	2.5	
Storage Battery for Automobiles	H.S. Positive Plate	7	135	141	2	4
	H.S. Negative Plate	8	135	141	2	İ '
	H.S. Positive Plate	9	142	144	2.2	14.5
	H.S. Negative Plate	10	142	144	2.2	
	S.S. Positive Plate (Short start)	29	115	142	2	12
	S.S. Negative Plate (Short start)	30	115	142	2	12
	Short Ointment Type Positive Plate	13	115	144	3	13.5
	Short Ointment Type Negative Plate	14	115	144	3	13.5
	H.S. Positive Plate	21	247	141		
	H.S. Negative Plate		247		2.5	25
	M.S. Positive Plate	22	-	141	2.5	
C. D		23	221	141	5.5	48
Storage Battery for Vessels,	M.S. Negative Plate	24	221	141	3.5	
Mines & Trams	H.S. Ointment Type Positive Plate	25	247	141	5.5	54
	H.S. Ointment Type Negative Plate	26	247	141	3.5	
	High & Wide Ointment Positive Plate	31	450	204	6	139.5
	High & Wide Ointment Negative Plate	32	450	204	4.5	
	Middle & Wide Ointment Positive Plate	33	248	204	6	75.5
	Middle & Wide Ointment Negative Plate	34	248	204	4.5	
	Stationary Model No. 1 Semi-Finished Positive Plate	41	. 177 	170		36
Stationary Storage Battery	Stationary Model No. I Semi-Finished Negative Plate	42	177	170	8.6	• • • • • • • • • • • • • • • • • • • •
Storage Dattery	Stationary Model No. 2 Semi-Finished Positive Plate	43	345	170	11	72
	Stationary Model No. 2 Semi-Finished Negative Plate	44	345	170	8.6	
Storage Battery for Storage	Middle & Wide Ointment Positive Plate	37	222	182	4	58
Battery Vehicles	Middle & Wide Ointment Negative Plate	38	222	182	3.5	
	Aviation Model 12-30 Positive Plate	15	130	106	1.6	7.5
	Aviation Model 12-30 Negative Plate	16	130	106	1.6	
Aviation	Aviation Model 6-120 Positive Plate	17	167	144	2	17.5
Storage Battery	Aviation Model 6-120 Negative Plate	18	167	144	2	
	Aviation Model 12-20 Positive Plate	19	87	142	1.5	6.7
	Aviation Model 12-20 Negative Plate	20	87	142	1.5	
Signal & Compass	Light and Small Ointment Type Positive Plate	27	88	100	6	ю
Storage Battery	Light and Small Ointment Type Negative Plate	28	88	100	3.5	
Storage Battery	Stationary Ointment Type Positive Plate	l i	101	110	6.5	12
for Laboratory Electricity Source	Stationary Ointment Type Negative Plate	12	101	110	6.5	
Storage Battery	Thin Positive Plate	35	71	71	2.5	3.5
	Thin Negative Plate	36	71	71	2.5	
for Motor Cars	Thick Positive Plate	39	97	62	4.5	6
	Thick Negative Plate	40	97	62	3	
Portable Storage	Portable Positive Plate	45	121	81	2.5	6.25
Battery	Portable Negative Plate	46	121	81	2.5	
	· · · · · · · · · · · · · · · · · · ·				5.4	

OUTSIDE MEASUREMENT AND SPECIFICATIONS FOR VARIOUS STORAGE BATTERIES



BRANCHES

TIENTSIN OFFICE: 171 Chine Shien Road (Ho Si District)

Cable Address: TRANSMACH Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road El

Cable Address: TRANSMACH Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton

Cable Address: TRANSMACH Canton

4-Mov Planer for lumber Model CII CO-1

Automatic Feeding Circular Saw Model IIA

Surface Fine Planer Model 6

Vertical Tenon-Mortise Driller Model CBII

Multiple-Duty Saw for lumber Model YH

Suspended Movable Circular Saw Model UKM (U is TS)

Foot Controlled Movable Circular Saw Model UK5-3

3-Way Planer Model K-3

One-Way Planer Model CP6-2

Multiplt-Duty Bend Saw JIC 80-2

Morizontal Tenon-Mortise Driller CBR-3M

Milling Machine for lumber Model \$\sigma_3\$

Tenon Milling Machine ФIII-3

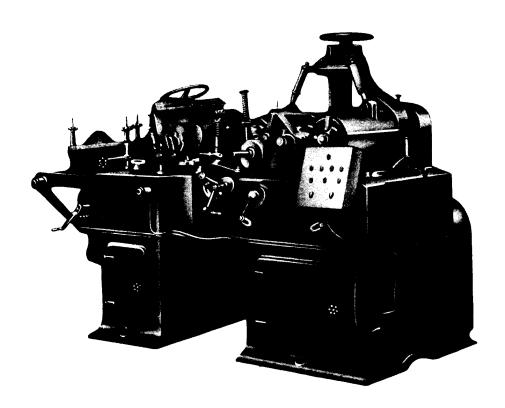
Chain Type Tonon-Mortise Machine Model XILA

Combination Tenon Saw Model U1 0-6

四面壓龜床

25X1

CII 30-1型





- 特点: 本机床有着很高的生产効率。被加工木材可以四面同时鉋光。每分鐘最快可鉋32公 尺長的木材。
 - 2 本机床是厨于中大型木工机械。全机床是由五大主要部分構成。①床身 ②工作台 ③四个車头 ④自动送料机構 ⑤电气控制設备。
 - 3. 四个車头, 分別由四个电机單独用直接帶动。
 - 4. 自动送料机構,由四个送材滚所組成,統一的由一个电动机經过減速齿輪帶动。
 - 5. 电气控制設备,設在床脚内部,集中的控制着五部电动机的运轉,按工作需要可全部开車停車或个別开車停車,通过电鈕进行操縱。

为了安全在各个电动机線路中,均設有安全負荷的控制設备。

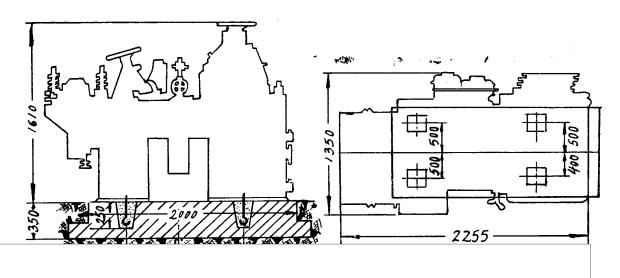
用途: 最适用于建筑工程工地、木工厂、傢俱厂等工业部門,加工方料、板材四面同时鉋光和 立面裁口使用。

四面壓鲍床

25X1

王 安	規 格
被加工材料的最大寬度(公厘)300	交流电源的电动机。
被加工材料的最大厚度(公厘)125	下面橫車头:
被加工材料的最小長度(公厘)400	动力(瓩)4.5
車头数量:	轉数(轉/分)3,000
橫車头2	上面橫車头:
豎車头2	动力(瓩)7.0
車头軸的直徑(公厘)180	轉数(轉/分)3,000
車头主軸速度(轉/分)2,900	豎車头:
豎車头的移动(公厘)100	动力(旺)4.0
这料速度的变換(种) 5	轉数(轉/分)3,000
送料速度(公尺/分)6、8、11、22及32	送料机構:
	动力(瓩)2.8
	轉数(轉/分)1,000
	机床体积(長×寬×高)(公厘)
	$\cdots\cdots\cdots 2,250\times 1,350\times 1,610$
	机床重量(公斤)大約2,700

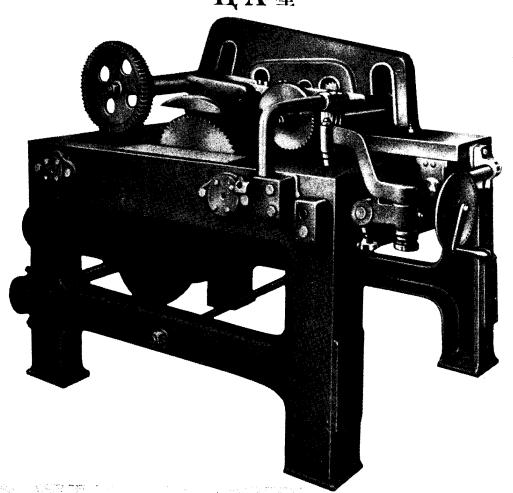
四面压鲍床按装圖



自動送料圓鋸機

25X1





- 特点:
- 1. 本机床設有自动送料裝置它由齿輪滚筒和后輪三个主要部份構成,能夠按着加工木 材厚度准確和自动送料。因此它在自动送料上較比其他圓鋸机具备了优越性。
- 2. 本机床具有很高的工作効率。
 - ① 鋸齿每分鐘切削速度在3.900公尺以上。
 - ② 自动送料速度每分鐘最高可达75公尺,同时根据加工木材的性質和要求,还可 适当的將其送料速度变換为每分鐘33和55公尺兩段速度。
- 3. 本机床設有縱行导板保証在高速鋸割的条件下加工木材送料准確。
- 4. 本机床設有安全防护罩防止木材在加工过程中飞出保証安全作业。
- 5. 本机床开关車均由电鈕操縱。

用途: 根据以上特点本机床被採用在鋸木鋸板材及其他木材加工业上作为総銀板建立士士共和國 板之用。

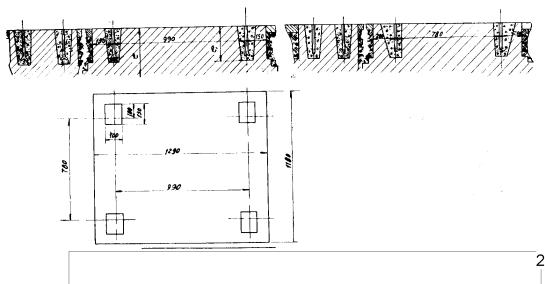
自動送料圓鋸機

25X1

主要規格

能鋸最大厚度(公厘)80
能鋸最大寬度(公厘) 最小
14人1,
能鋸最短材料(公厘)665
送料速度种类(种)3
送料速度(公尺/分)33×50×75
鋸片最大直徑(公厘)450
鋸片轉数(分/轉)2,800
工作台到地面距离(公厘)760
交流电动机 ³⁸⁰ / 220 (瓩) ·······10
机床体积(長×寬×高)(公厘)1,600×1,200×1,150
机床重量(公斤)約1,830

自动送料圓鋸機按裝圖



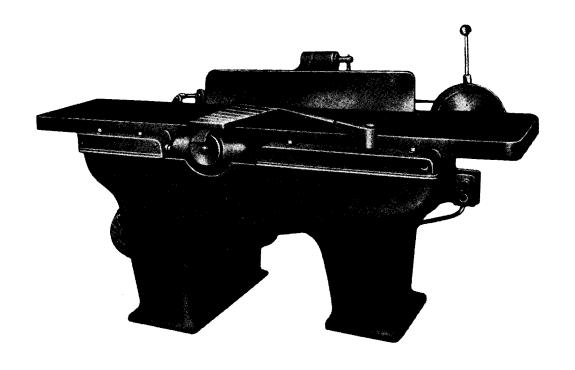
25X1

Sanitized Copy Approved for Release 2010/02/24 : CIA-RDP80T00246A035700170001-7

平面精鲍床

25X1

СФ-6型



- 特点:
- 1. 本机床工作台由前后兩个部份組成。通过偏心机構的作用可使工作台上下起落和前后移动,这样就能变换工作台面与鉋刀軸之間的相对距离。上下起落可以調节进刀深度,前后移动,便于裝換鉋刀。在操作中按着刻度轉动手輪可迅速的按着加工尺寸的需要調节进刀深度。
- 2. 鲍刀主軸,帶有精密調整鲍刀裝置。
- 3. 鲍刀主軸,裝置在床身內部。由單独电动机用三角帶帶动。
- 4. 本机床設有活动导板,可根据工作物需要調整高度和角度。
- 5. 本机床为了操作安全, 設有可移动的防护罩, 保护着刀軸, 幷且防止用手送料时可能发生的危險。
- 6. 开車停車使用电鈕操縱。

用途: 最适用于建筑工程工地,木工厂傢俱厂等工业部門,加工方材,板材鉋光及鉋斜面之用

平 面 精 鉋 床

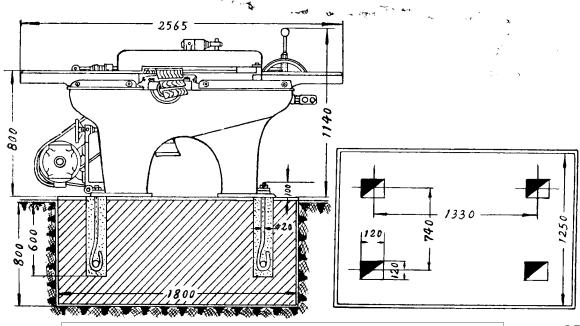
25X1

主 要 規 格

最寬能鉋(公厘)600
工作台总長(公厘)2,500
前工作台長度(公厘)1,500
工作台間的最小距离(公厘)65
工作台最大豎向移动(公厘)9
工作台到地面距离(公厘)800
刀軸轉数(轉/分)5,000
刀軸上刀片数量2
刀軸的直徑 (公厘)128
最大深度能鉋(公厘)6
导板最大傾斜度(度)45°

交流电动机	机
动力(瓩)	4.5
轉数(轉/タ	(1)
机床体积(長×	寬×高)(公厘)
	$\cdots 2,565 \times 1,420 \times 1,140$
机床重量(公斤	·) ······大約1,000

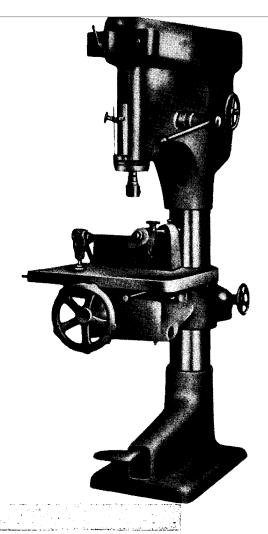
平面精鉋床按裝圖



25X1

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立式鑽孔榫槽機



25X1

- 特点:
- 1. 本机床由床身,工作台和車头三个主要部分構成。輕快精巧。便于中小型板材方材 鑽孔开槽加工之用。
- 2. 电动机安装在床身上部,用三角帶帶动着車头,由二級塔輪,可变兩种轉速。
- 3. 車头上卡着鑽孔和开槽用的刃具,可通过脚踩上蹬板门或手搬上搬把门的操作上下 起落,进行鑽孔和开槽工作。
- 4. 工作台和托架連結一起,卡在床身圓柱上,可以圍繞圓柱作水平轉动,也可沿圓柱 在立方向上下移动。工作台可以和水平線傾斜90°以內的角度, 同时为了完成榫槽 工作幷可以在水平方向左右移动。

用途: 最适合于建筑工程工地、木工厂、像俱厂等工业部門,加工板材方材鑽孔和开槽之用。

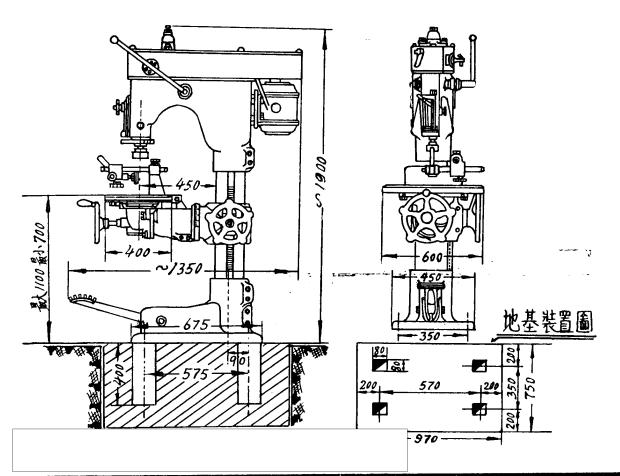
立式鑽孔榫槽機

25X1

主 要 規 格

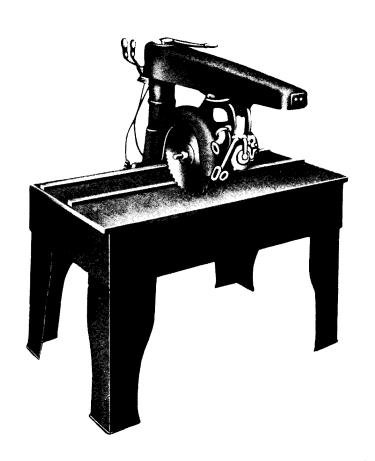
开槽最大長度(公厘) ······200	交流电动机
鑽孔最大深度(公厘)150	动力(瓩)1.7
主軸轉数(轉/分)3,000及4,500	轉数(轉/分)3,000
猶头最大直徑(公厘)50	机床体积(長×寬×高)(公厘)
鑽头中心距离台面(公厘)450	$\cdots\cdots\cdots\cdots 1,090\times 600\times 1,715$
工作台垂直移动距离(公厘)400	机体重量(公斤) 約360

立式鑽孔榫槽机按裝圖



萬 能 木 工 鋸 床

25X1



- 特点: 本机床只用一片圓盤鋸时,就能完成 10~12 种不同的主要作业。
 - 2. 若用圓盤鋸配合切槽刀, 錐刀和其他刀具, 則机床上可以完成的工业数量就会无限的增加。
 - 3. 电动机固定在移动架上,它可以在平行于工作台的水平面上,旋轉 360°
 - 4. 在切削工具上面固定着护罩,当其与收尘管接上时又可为收入切削鋸屑的吸尘器。

用途: 本机床为供縱鋸、橫鋸、各种角度的方材板材和膠合板同时幷能銑別各种形狀及开榫鑽 孔工作。該机床能<u>适用到所有木材加工的生产上,在建筑工地上和在模型車間上。</u>

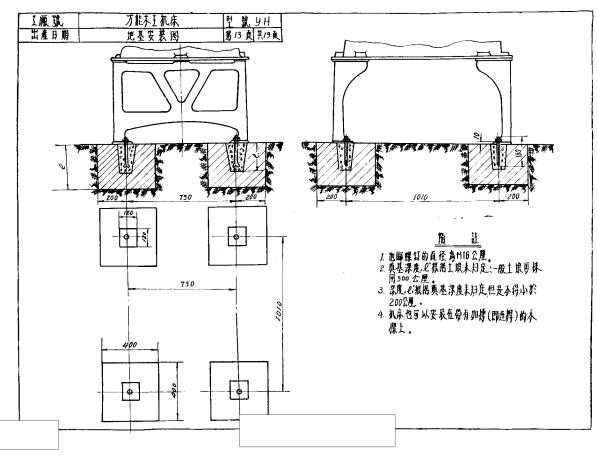
萬能士工組定

25X1

主要規格

工作台矩地面高(公厘)798
工作台尺寸(公厘)····································
电动矩工作台中心高
思切足上15 日中心尚 最小(公厘)
最大(公厘)535
- 壁処升降距离县大(み届)435
- 横臂导程(公厘)
圖銀島大市徑(及厘)400
横臂沿圓柱体中心(週轉角度)360°
- 申劲机(水平轉)360°
电动机軸心綫和工作台(角度)90°
- 所需功率(託)
刃具轉数(轉/分)
机床外形尺寸(公厘長×寬×高) ····································
机床重量(公斤)475

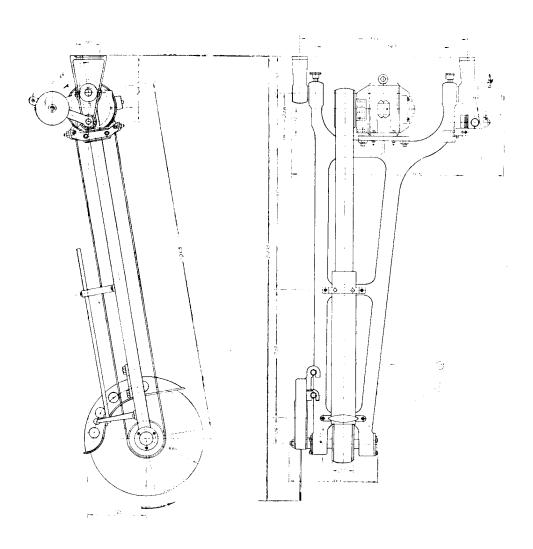
萬能木工鋸床按裝圖

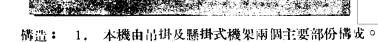


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25X1





- 2. 吊掛用螺釘固定在澡上或架上。
- 3. 懸掛式機架,通過兩個同心轉動軸和吊掛聯結在一起,懸掛在吊掛的下面。機架上 部安設着電動機,下部安設着圓鋸主軸和圓鋸片。電動機通過皮帶的傳動,帶動着 主軸。
- 4. 在操作時,用手移動機架,則此機架即以轉動軸為中心,以機架長(1,965公厘)為 半徑作一個大弧線運動。這樣就完成了鋸割工作。
- 5. 本機設有配重裝置,保証機架在鋸割工作完了時,自動的返回原來的傾斜位置,便 於操作。

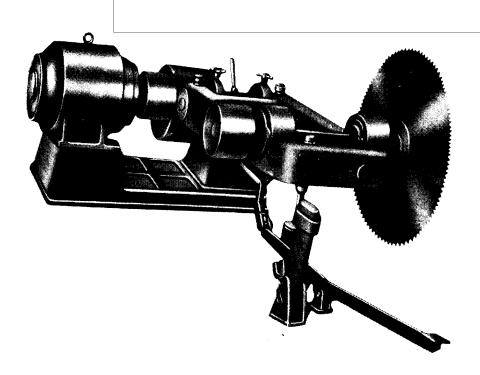
用途: 本機廣泛的被採用在木材加工業上,作為板材,方材,等截頭以及粗加工之用。

主要規格

	最大鋸木高度(公厘)	•225
	最大鋸木寬度(公厘)	•500
	鋸盤最大直徑(公厘)	•650
	鋸片孔徑(公厘)	···35
	鋸盤轉數(轉/分)	1500
	鋸盤線速度(公尺/秒)	5(
交流電動機	t	
	動力(挺)	•4.5
	轉數(轉/分)	1500
	機體重(公斤)	-280

HKE_

25X1



- 構造特點: 1. 本機床設有能够上下起落的旋臂,上面裝設着主軸和圓鋸片。
 - 2. 在操作時,用脚踩動脚踏板,就可以使圆鋸片上下起落,這樣就能對放在工作 台上的木材進行鋸割,非常輕便。
 - 3. 本機床設有單獨的電動機,經皮帶傳動,為了防止皮帶鬆動,並設有偏心式的 自動調緊裝置○
 - 4. 在本機床上面,由使用者自已根據使用情况,架設上未製的工作台,作為放置加工木材之用。在工作台上要參照機床圓鋸片的位置,留出縫口。

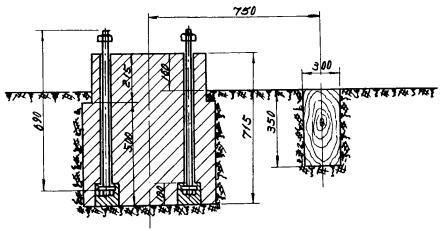
用途: 本機床廣泛的被採用在鋸木工廠等加工業中,作為截斷木板,木方及元木等。

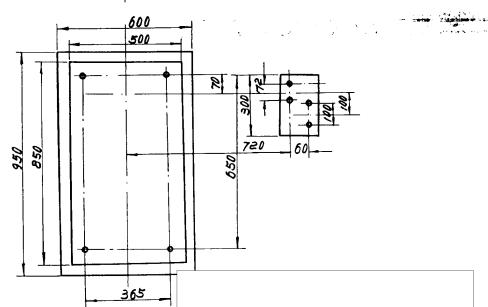
主要規格

25X1

鋸斷材料最大厚度(公厘)150
鋸斷材料最大寬度(公厘)350
銀片直徑(公厘)500-700
銀片轉數(轉/分)1535
交流電動機
動力(缸)
轉數(轉/分)1500
機床體積(公厘) ······1840×1110×850
機床體重(公斤) 長×寬×高約350

脚踏擺動圓鋸機按裝圖





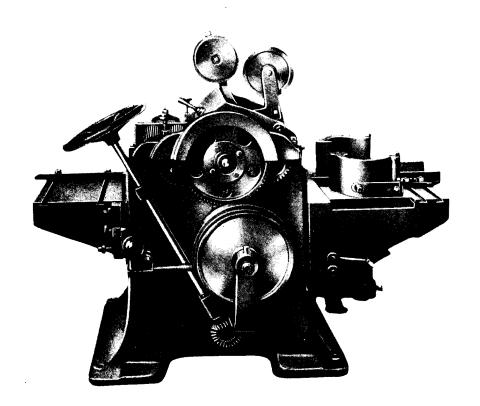
25X1

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三面壓鲍床

25X1

K-3型



特点: 1. 本机床設有三个鉋刀軸,(一橫兩豎)橫鉋在上面,豎鉋在左右兩个立面。

- 2. 被加工的木材,三面可以同时鉋光,也可代替一面鉋鉋光使用。
- 3. 如果在兩个立鉋軸上增添裁口刃具,可以代替裁口机使用。
- 4. 机体上共設有六个送材滚,可以自动送料。
- 5. 工作台通过手輪轉动,可按标尺起落,尺寸准確。

用途: 最适用于建筑工程工地,木工厂, 像俱厂等工业部門,加工方材,板材鉋光之用, 幷也可以代替裁口机使用之。

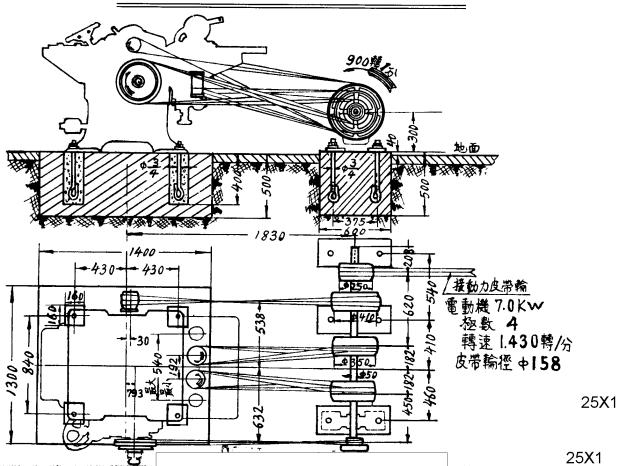
三面壓鉋床

25X1

丰 要	規 柞
能鉋寬度最大 (三面时) (公厘) ······300 (平面时) (公厘) ·····450	橫豎鉋首
	鉋軸轉翅
能鉋寬度最小(公厘)	
能鉋厚度最大 (一面时)(公厘) ······120 (一面时)(公厘) ·····150	送料滾首
能鉋厚度最小(公厘)10	交流电动 电动机容
送料速度(兩种)(公尺/分)6-9	轉数(轉
鲍刀周速 (横鲍) (公尺/秒) ······20 鲍刀周速 (豎鲍) (公尺/秒) ·····20	体积(長
	使用工作
傳动方式皮代	体重(公
每次切削厚度最大(公厘)6	

况 恰
横豎鉋直徑(公厘) 160
鲍軸轉速 (橫鉋) (轉/分) ···········3,200 鲍軸轉速 (豎鉋) (轉/分) ···········3,500
送料滾直徑(公厘)82
交流电动机
电动机容量(瓩)7.0
轉数(轉/分)1,440
体积(長×寬×高)(公厘)1,620×1,460×1,200
使用工作地面积最小(長×寬)(公尺)8×4
体重(公斤)

三面压鉋床按裝圖

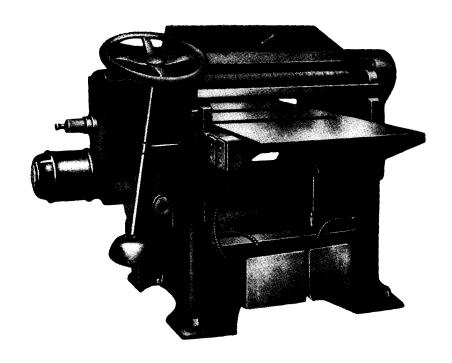


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單面壓鉋床

25X1

CP 6-2型



特点: 1. 本机床有着很高的生产效率每分鐘可鉋木板 14 多公尺長。

- 2. 本机床可鉋寬达 600 公厘, 高达 200 公厘的木板方材。
- 3. 鲍刀主軸上設有精密的,鲍刀調整裝置。有單独电动机通过三角帶帶动。
- 4. 减速器: 由單独电动机直接帶动抖驅动着上部送材滾。
- 5. 工作台上設有兩个送料浮滾,它是对加工的木材起着自下而上的支持滾送作用。随 着木材厚度可轉动手輪使工作台按标尺起落。
- 6. 上部送材滚和送料浮滚,結合起来組成自动送料机構。
- 7. 安全設备: 有鉋刀主軸防护罩、三角帶防护罩和送料逆止防护輪。
- 8. 开、关車使用电鈕操縱。

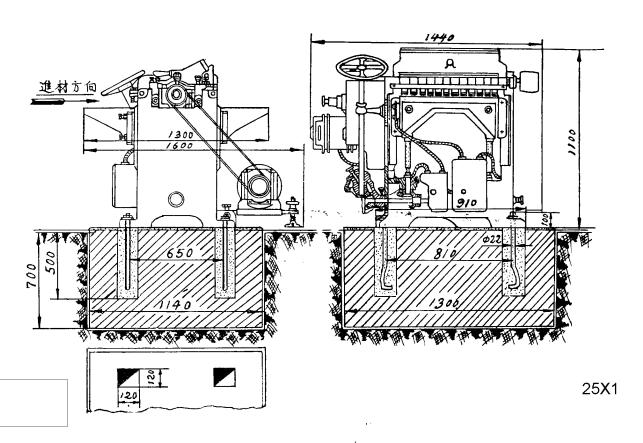
用途: 最适用于建筑工程工地、木工厂、傢俱厂等工业部門,加工方材、板材鉋光之用。

單 面 壓 鉋 床

25X1

主要	規 格
最寬能鉋(公厘)600	(二) 送料:
最厚能鉋(公厘)200	动力(挺)0.85
送料速度(公尺 分)10.5及14.5	轉数(轉 / 分)1,000
刀軸轉数(轉 / 分)4,250	机床体积(長×寬×高)(公厘)
交流电动机	$\cdots\cdots\cdots\cdots 1,600\times 1,440\times 1,100$
() 鲍刀車头:	机床重量(公斤)約950
动力(旺)7.4	
轉数(轉/分)3,000	

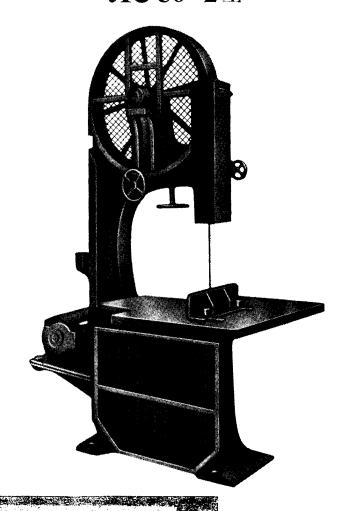
單面压鉋床按裝圖



萬 能 帶 鋸 機

25X1

ЛС 80-2型



- 特点: 1. 本机床設有輕巧坚固的弓形床身,在下部設有可以轉动 40°的工作台。因此它可以 鋸割出直角的和傾斜的鋸口来。这是一种万能性。
 - 2. 另外一种万能性是,它不但可以鋸割出直線鋸口,而且还可以鋸割出曲線的鋸口。
 - 3. 本机床構造,在強度上坚固,在調节上精確輕便,在作用上准確可靠。
 - 4. 本机床具有很高的工作効率、鋸条每分鐘的切削速度、在2.000 公尺以上。
 - 5. 本机床开关車均由电鈕操縱。
 - 6. 本机床設有完善的安全防护裝置。

用途: 由于万能性和很高的工作效率,本机床的用途是非常广泛的。它被採用在木工加工的工

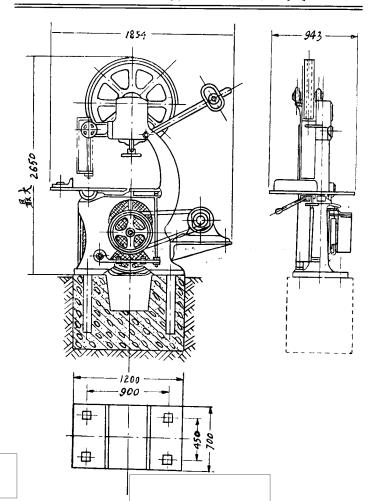
厂中(尤其是模型車間更光素面) 佐光銀虹膠合垢 垢料和古材等

萬 能 帶 鋸 機

主 要 規 格

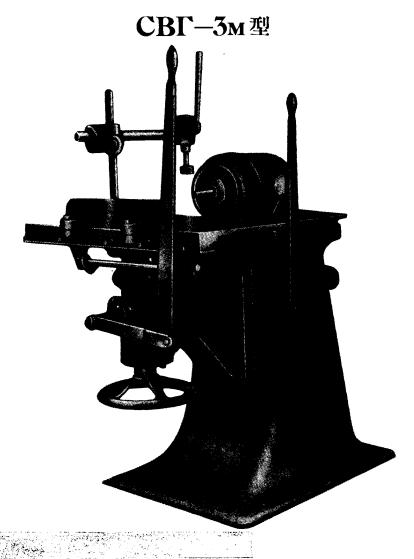
鋸輪直徑(公厘)800
20 年間11年(227年)
鋸輪轉数(分/轉)800
最高能鋸(公厘)570
最寬能鋸(公厘)715
- 最寬鋸条(公厘)35
工作台面积(公厘)940×790
台面能轉动最大角度40°
交流电动机
能力(瓩)4.5
电动机轉数(分 / 轉)1,500
机床体积(長×寬×高) ·················1,809×943×2,650
机床体重(公斤)

萬能帶鋸机按裝圖



25X1

队式鑽孔榫槽機



特点:

- 1. 本机床由床身,車头和工作台三个主要部份組成,适合于从水平方向鑽孔及开槽之 用。
- 2. 床身結構輕巧,上面安設着車头和工作台。
- 3. 車头由电动机和电动机座組成。电动机轴上,装有鑽头卡具,可安鑽孔和开槽用的 刃具,經搬动上搬手了可以在水平方向前后移动。
- 4. 工作台上卡着被加工的板料,方材經轉动 [手輪] 可以上下移动,經搬动前方 [搬 把] 可以左右移动,进行鑽孔和开槽工作。

用途: 最适合于建筑工程工地,木工厂、傢俱厂等工业部門,加工方材,板材从水平方向鑽孔 及开槽之用。 25X1

25X1

25X1

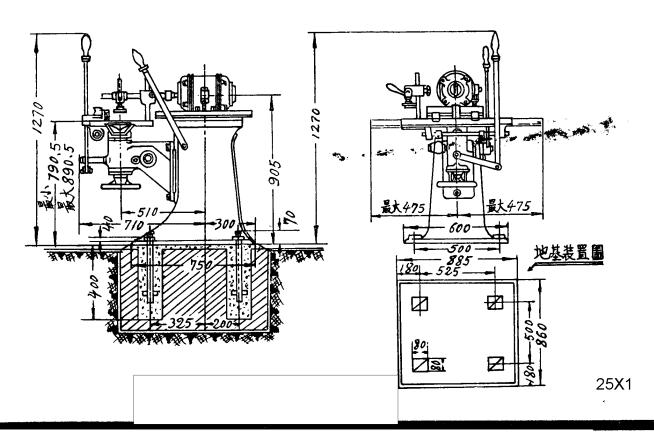
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臥 式 鑽 孔 榫 槽 機

25X1

上 要	規 格
鑽孔最大直徑(公厘)25	交流电动机
鑽孔最大深度(公厘)100	动力(瓩)1.7
在一个裝置中榫槽最大長度(公厘)200	轉数(轉/分)3,000
方木材加工物最大高度(公厘)125	机床体积(長×寬×高)(公厘)
方木材加工物最大寬度(公厘)250	$\cdots\cdots\cdots\cdots\cdots 1,010\times 950\times 1,280$
台面至鑽軸最大距离(公厘)115	机体重量(公斤)約320

队式鑽孔榫槽機按裝圖

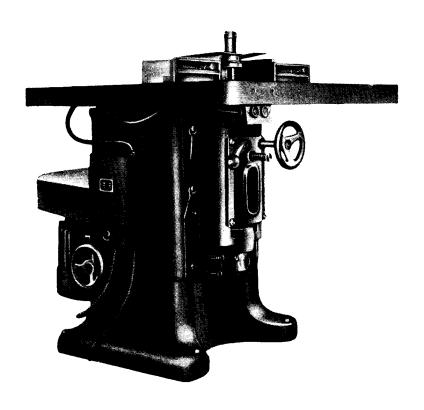


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木 工 銑 床

25**X**1

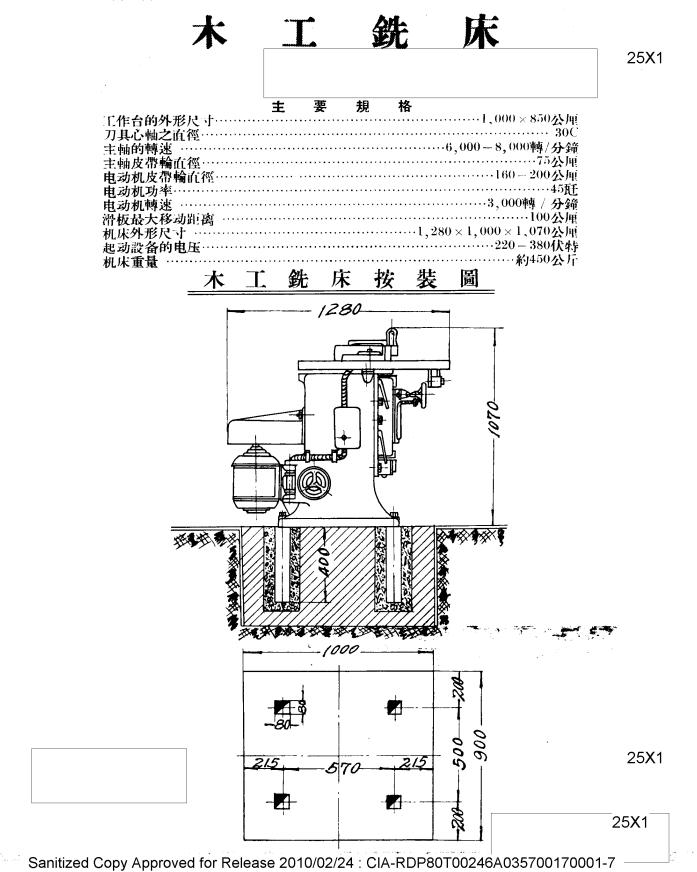
Ф-3型



- 特点: 本机床設有高速精密的主軸,由單独电动机用皮帶帶动轉动圓滑,附有开榫和齐头 兩种刀杆和刃具。
 - 2. 本机床設有自动潤滑油泵,保証高速迴轉部位的正常潤滑和最低温度。
 - 3 本机床开車关車使用电鈕操縱。

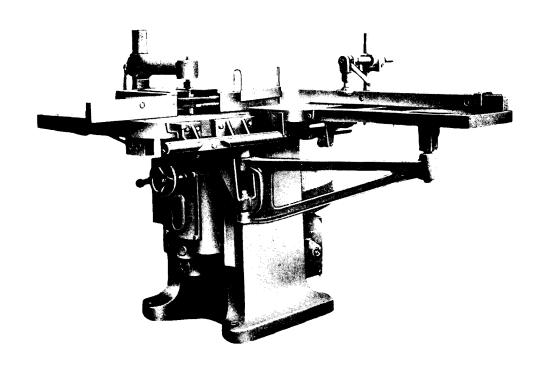
4. 本机床經过改进刀具,可以当作銑床使用,銑出各种直線或曲線形狀。

用途: 最适用于建筑工程工地,木工厂, 像俱厂等工业部門方材,板材齐头、开榫、铣不同的 亩,曲線各种型狀之用。



木 榫 銑 床

25X1



特点: 1. 本机床設有高速精密的主軸。由單独电动机用皮帶帶动轉动圓滑,附有开榫和齐头 兩种刀杆和刃具。

2. 本机床設有平行精度很高的活动工作台,通过滚柱和导槓架設在固定工作台旁,保 証榫头的尺寸精密和表面光洁。

3. 本机床設有自动潤滑油泵,保証高速迴轉部位的正当潤滑和最低温度。

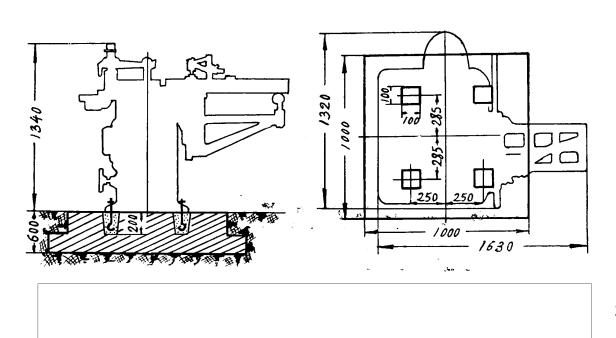
4. 本机床开車关車使用电鈕操縱。

5. 本机床經过改进刀具,可以当作铣床使用,銑出各种直線或曲線形狀。

木 榫 銑 床

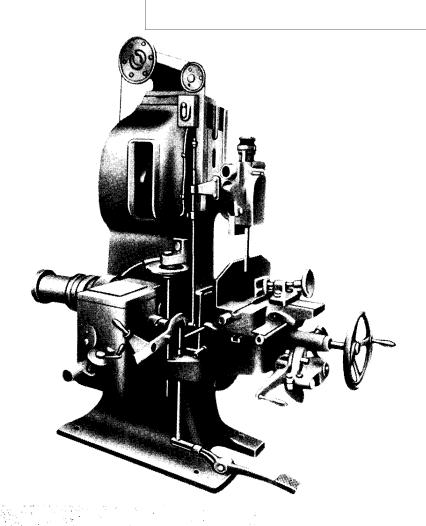
그렇다 가는 그는 이숙합다. 25X1 -1: 要 規 格 床面面积(公厘)長×寬······1,000×800 主軸皮帶輪直徑(公厘) …………75 主軸昇降行程(公厘) …………100 齐榫头寬度最大(公厘)……45 切棒深度最大(公厘) ………100 交流电动机 电动机容量(瓩) …………4.5 切榫刀刃寬最小(公厘) ………12 主軸轉数(轉/分) (齐头时用) ·····8,000 (开榫时用) ·····5,500 轉数(轉/分) ……3,000 体积(長×寬×高)(公厘)1,630×1,320×1,340 重量(公斤) ………約550 切榫盤直徑(公厘) ………250

木榫铣床按裝圖



鏈 式 榫 槽 機

25X1



特点: 1. 本机床設有特种鏈式刀具,是專做开方形榫槽的机械有着很高的工作効率。

- 2. 本机床設有独特的榫槽車头,裝置在床身上部的滑动面上,單独的电动机直接帶动 鏈刀导輪驅使鏈式刃具,沿着导輪循环轉动。榫槽車头和电动变一起,可脚动的(籍着脚蹬板的动作)或自动的(籍着减速器的动作)沿着床身的滑动面上下移动,根 据工作物开槽深度正確的掌握着标尺尺寸,进行开槽工作。
- 3 在床身下部設有工作台,上面卡着工作物,可以在水平方向前后左右移动。
- 4. 減速器 單独的由一个电动机直接帶动 担負着自动运轉的任务。

用途: 最适用于建筑工程工地,木工厂,傢俱厂等工业部門,加工方材,板材專做开方形榫槽 之用。

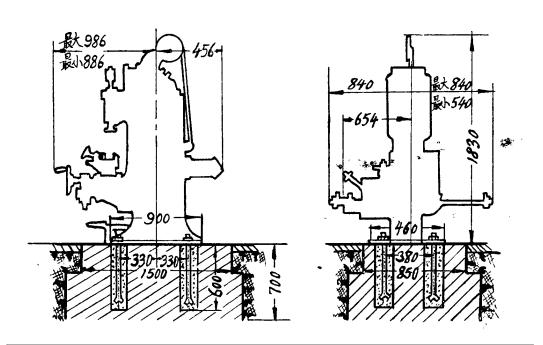
鏈 式 榫 槽 機

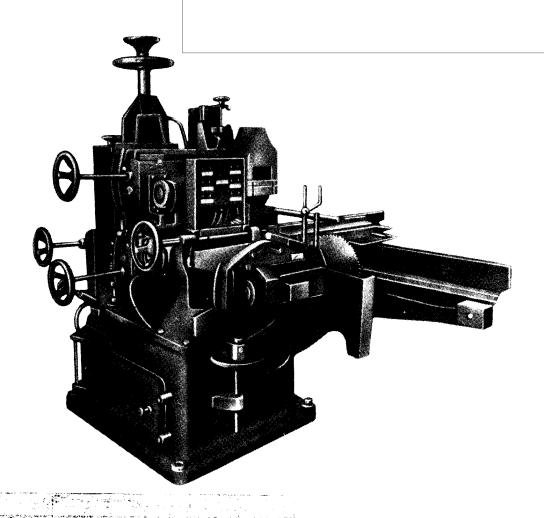
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The state of the s

主要	規 格
榫槽寬(公厘)6-16-30	交流电动机
榫槽長(公厘)40-430	鏈傳动
榫槽最大深度(公厘)175	动力(瓩)3.2
方木材最大寬度(公厘)200	轉数(轉/分)3,000
方木材最大高度(公厘)250	減速傳动
工作台最大移动距离(公厘)100	动力(瓩)
架的工作进程速度(公厘 / 分)18.29.40	轉数(轉/分)1,000
加的放空进程速度(公厘/分)65	

鏈式榫槽機按裝圖





構造: 1. 本機床設有6個直結電動車頭,分別按着一個加工線,裝設在床身外邊。

2° 在上述加工線上設有活動工作台,上面載着用快速卡具卡着的加工木材,沿着加工線方向往復移動,供應上述6個電動車頭的切削。

持點: 1. 本機床設有6個電動機都單獨運轉·用電鈕控制。

- 2. 本機床被認為屬於重型木工機械切削機床。
- 3. 本機床 6 個電動機車頭,科學的按着開榫順序組成一個完整的開榫工程。各個車頭 都能精確的調整,有着很高的工作効率。
- 4. 各個車頭旣可聯合在一起作為完整的開榫之用,又可分開各自單獨的進行鋸割,銑 形和掏槽等木材加工工作。

用途: 本機床廣泛的被採用在傢俱標準件製造,車箱製造,汽車製造,和木材加工廠中,作為 方材板材端部開出各種形狀的榫頭之用。

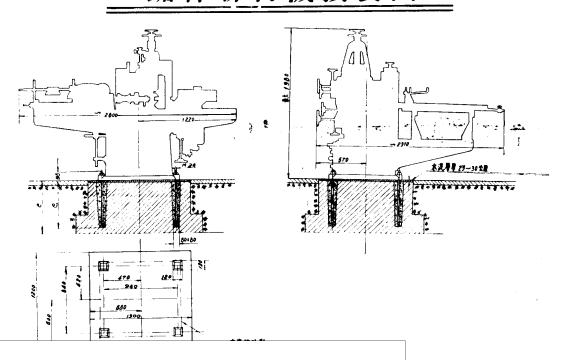
25X1

25X1

主要規格

能開最長的榫槽(公厘)	200
能開最高榫頭(公厘)	50
- 被加工木材最大厚度(公厘)	150
被加工木材最大實度(公厘)	400
能銑最大深度(公厘)	125
- 陽離晶·大厚度(公厘)	30
刀架最大行程(公厘)	1985
交流電動機	
周 銀	
動力(瓩)	
轉數(轉 '分)	3000
水平重頭(兩個)	
動力(挺)	2.2
轉數(轉一分)	3000
鋸椎頭圓	
動力(瓩)	4.0
轉數(轉/分)	3000
切削車頭(兩個)	0000
動力(紙)	
轉數(轉/分)	3000
機床體積(長×寬×高)(公厘)	$\cdots 2800 \times 2310 \times 1980$
機床體重(公斤)	¥12000
TORVINED SECURITY AND A SECOND	4,32000

鋸榫聯合機按裝圖



THE HALL SEWING MACHINE

25X1

25X1

中國運輸機械進口公司

IATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

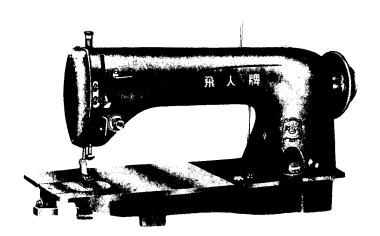
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工業用縫紉機

LOCKSTITCH SEWING MACHINE

"FLYING MAN" MODEL 61300



This machine can be used advantageously in blanket factories, underwear factories, knitting mills and clothing factories for sewing cotton or woolen under-wears and outer-wears.

Constructed for two-thread lockstitch sewing, the main shaft runs at a very high speed of about 4000 stitches per minute, power being transmitted by canvas laminated bakelite gears ensuring smooth and silent running.

The essential working parts are heat treated and precision ground thereby minimizing friction and wear, so that these parts are very durable.

By means of automatic lubrication, oil is continuously fed into the essential working parts so that the machine has a long serviceable life. An oil level gauge is provided for frequent inspection of the oil contents. The oil can be changed once every six months of continuous operation.

The machine is equipped with thread take-up and knee-press for raising presser-foot.

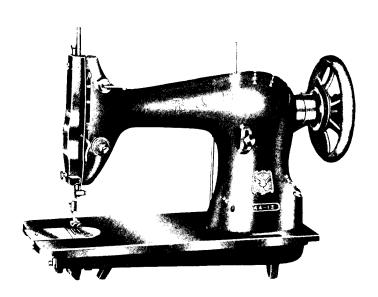
Length of stitch	 •••		•••	4.5 mm.
Maximum sewing speed	 	•••		4000 stitches per minute
Thickness of material sewn	 • • •	•••		5 mm.
Working space under arm	 			275×110 mm.
Overall dimension	 		• • •	$510\!\times\!20\!\times\!290$ mm.
Power required	 •••		• • •	I/4 HP
Stands				Flectric or treadle drive

Contents		oximate ht (kgs)	Approximate Measurement		
	Nett	Gross	(cm)		
set Head set Table and	30 kgs.	42 kgs.	66 × 35 × 42		
Stand	68 kgs.	113 kgs.	134 × 72 × 92		

雙線連鎖縫紉機

CENTRAL BOBBIN SEWING MACHINE (WITH OSCILLATING SHUTTLE)

"FLYING MAN" MODEL 44-13



This is an indispensable machine for industrial use. The maximum speed is about 2,200 stitches per minute. Aside from sewing light and medium weight fabrics, it also sews heavy weight materials such as canvas, leather, etc., and is especially suitable for mass production.

The machine shows the most judicious use of materials to resist strain and secure absolute stability. All running parts are carefully balanced so that there is no vibration to cause unusual wear of parts.

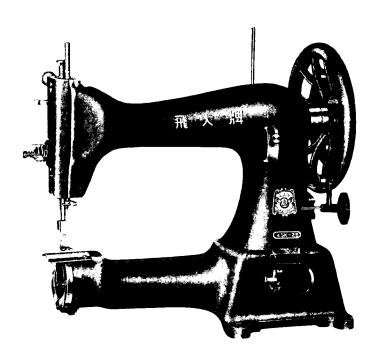
The machine can be supplied with either treadle drive stand or electric drive stand, in the latter case it is fitted with a knee press by which the presser foot can be raised when the operator's hands are engaged.

Length of stitch 4.5 mm. Maximum sewing speed 2200 stitches per minute Thickness of material sewn 5 mm. Working space under arm 265×145 mm. Power required 1/4 HP Stand Treadle or Power

		eximate nt (kgs)	Approximate Measurement
	Nett G	Gross	(cm)
2 sets Head	39	49	55 × 45 × 43
2 sets Table and Stand	70	86	101 × 76 × 33

工業用縫紉機 CYLINDER ARM SEWING MACHINE

"FLYING MAN" MODEL 45 K 25



This machine is strongly built and specially designed for the manufacture of heavy canvas sacks, leather shoes and leather goods, etc. It makes a long, firm and tightly drawn lock-stitch.

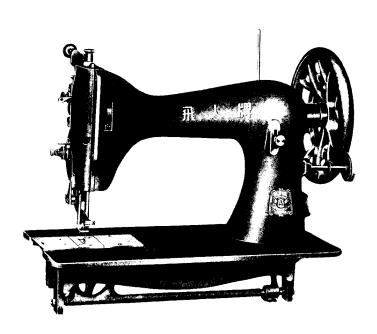
The machine is fitted with a large cylinder shuttle of oscillating type, light running and easy to operate by treadle drive in which case it can be provided with a heavy balanced two-speed driving wheel to ensure great penetrating power and to permit change of the sewing speed to adapt it for various kinds of work. For use on power bench, the machine can be fitted with a knee press by which the presser foot can be raised while the operator's hands are engaged.

Length of stitch	 • • •	• • •	 7 mm.
Sewing speed	 		 350-1000 stitches per minute
Thickness of material sewn	 		 Leather 10 mm.
Working space under arm	 		 275×185 mm.
Overall dimension $(L \setminus W \setminus H)$	 		 $530\!\times\!270\!\times\!480$ mm.
Power required	 		 1/2 HP.
Stand	 		 Treadle or power

Contents	Appro Weigh		Approximate Measurement	
	Nett	Gross	(cm)	
l set Head set Table and	35	52	67 × 39 × 62	
Stand I set Wheel	60 10	84 20	135 × 72 × 31 44 × 37 × 40	
	i j			

工業用縫紉機 LOCKSTITCH SEWING MACHINE

"Flying Man" Model 45K50



Model 45K50 embodies the latest improvement in design. Its sturdy construction ensures durability and long serviceable life. All moving parts, made of high grade steel, are hardened and precision ground.

The machine is especially suitable for sewing heavy canvas or leather goods, as used in the manufacture of wagon covers, sails, heavy sacks, upholsteries, leather belts and other leather handicrafts.

It is fitted with an exceptionally large cylinder shuttle of the oscillating type having a bobbin of great thread capacity which feature makes the machine specially adaptable for mass production.

This model is in all respects same as Model 45K25 except that it is fitted with a vibrating presser. In this form of presser, the presser foot moves forward at each stitch in unison with the feed, rises and automatically returns to its former position, thus ensuring a uniform and perfect feed when stitching fabrics of uneven or adhesive surfaces. It is also particularly effective when stitching materials are liable to pucker such as book binding, etc. The machine sews with a long, firm and tightly drawn lockstitch.

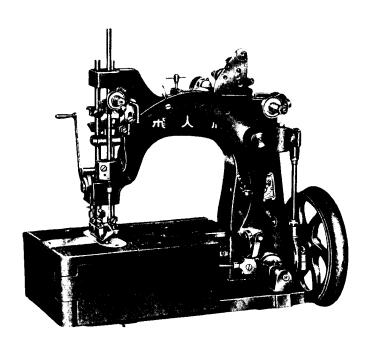
Being light running, the machine can be easily operated by foot in which case it is supplied with a treadle drive stand and a two-speed drive wheel for regulating the sewing speed. For mass production, the machine can be supplied with an electric drive stand and a knee press by which the presser foot can be raised while the operator's hands are engaged.

Length of stitch			• • •		•••		• • •	12 mm.
Sewing speed				• • • •				350-1000 stitches per minute
Thickness of mater	rial sew	vn				• • • •		12 mm.
Working space un	der arr	n		•••				275×185 mm.
Power required								1 HP

Contents	Approxim: (k	ate Weight gs)	Approximate Measurement (cm)	
	Nett	Gross		
Head	40	62	70×36×58	
I set Table and Stand	62	86	$135\!\times\!84\!\times\!27$	

縫袋用縫紉機 BURLAP BAG SEWING MACHINE

"Flying Man" Model 124



This is the most powerful machine for making bags from burlaps and other heavy weight fabrics. It sews the bags either with single thread or two-thread chain stitch producing strong seams.

The machine is fitted with a positive drop feed and two separately hinged compensating presser feet, which ensure its successful operation on all grades of bag materials. This arrangement is particularly effective when hemming bags, as one of the presser feet rests upon the hem while the other rests on the body of the bag, each foot yielding independently according to the thickness of the work being sewn. A knee press for raising or lowering the presser feet is provided with each machine, enabling operator to use both hands in manipulating the work.

For convenience in threading the looper and to facilitate the making of adjustments, the front portion of the cloth plate is hinged so that it can be turned aside to permit easy access to the mechanism in the bed of the machine.

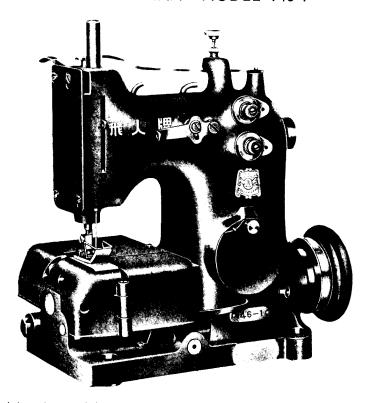
The machine is provided with an iron base which receives the dirt and surplus oil, thus helping to prevent the bags from becoming soiled while they are being sewn.

Length of stitch		 	 	12 mm.
Maximum sewing speed:	Paper bag	 • • •	 	1000 stitches per minute
	Gunny bag	 	 	1400 stitches per minute
Thickness of material sev	vn	 	 	15 mm.
Working space under are	m	 	 	$180 \times 130 \ \text{mm.}$
Overall dimension ($L \times W$	/ < H)	 	 	$430\!\times\!205\!\times\!385$ mm.
Power required				! Н Р

Contents	Approxima (k	ate Weight gs)	Approximate Measurement (cm)	
	Nett	Gross		
l set Head	281	401	$48 \times 25\frac{1}{2} \times 43\frac{1}{2}$	

縫袋用縫紉機 BAG CLOSING MACHINE

"FLYING MAN" MODEL 146-1



This Model is designed for closing filled bags containing sugar, flour, grain or other products which are usually packed in bags.

The machine makes two-thread chain stitch, so that strong and elastic seams can be produced to tightly close the bags, thus preventing commodities from leaking out at the seams despite rough handling in transportation.

The machine is equipped with an adjustable conveyor, upon the moving belt of which the filled bags are placed. The bags are thus carried to the operator who guides them through the machine for stitching.

Bags measuring from 20 cm. to 85 cm. from the bottom of the bag to the line of stitching, can be handled on the machine, the conveyor being raised or lowered by turning two handles at the back of the machine to accommodate the various sizes of the bags. As the conveyor belt is 30 cm. wide, bags up to 40 cm. in thickness can be sewn.

The conveyor is capable of carrying three 100-pound bags at the same time or the equivalent weight in as many bags as can be accommodated on the conveyor belt.

The sewing machine head being mounted on a hinged frame can be raised or lowered by a hand wheel, thus slight variation in the height of the bags of the same capacity can be taken care of without adjusting the conveyor.

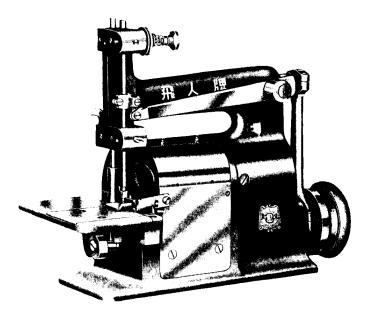
The machine is equipped with a shear which can be used to cut the thread after each bag is stitched. The shear is operated by a hand lever.

Length of stitch	I2 mm.
Maximum sewing speed	1800 stitches per minute
Working space under arm	85×70 mm.
Overall dimension (L \times W \times H) of sewing head	$300\!\times\!360\!\times\!260$ mm.
Thickness of material sewn	8 mm.
Power required	I HP
Efficiency (approx.)	500 bags per working hour
Overall dimension of machine with Conveyor	
(I × W × H)	$1200 \times 1200 \times 2000$ mm.

Contents	Appro Weigh	exmate nt (kgs)	Approximate Measurement		
	Nett		(cm)		
l set Head 19		25	44 × 32× 46		
I set Head and Conveyor	529	765	158 ×135×183		

鎖邊縫紉機 OVERLOCK STITCH SEWING MACHINE

"Flying Man" Model 18



Model 18 is a single thread overlock sewing machine for seaming, overedging or hemming work on all kinds of materials. It is specially adaptable for overedging woolen blankets.

The constructional features are compactness, easy threading, accessibility to moving parts and improved lubricating system. The pitch of the stitches can be adjusted from 2 to 6 mm by changing the cam.

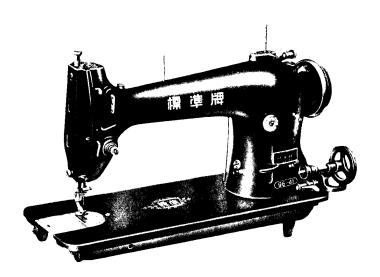
The length of stitches can be adjusted up to 12 mm so that thick blankets can be seamed as desired. The sewing speed can be as high as 1200 stitches per minute enabling trained operators to overedge woolen blankets of normal size at a rate of 30 pieces per hour.

Length of stitch	 	 	 	I2 mm.
Maximum sewing speed	 	 	 	1200 stitches per minute
Maximum pitch of stitches	 	 	 	6 mm.
Overall dimension $(L \times W \times H)$	 	 	 	300 ≤ 136 ≤ 255 mm.
Power required	 	 	 	¦ HP

Contents	Approxima (k		Approximate Measurement (cm)
Head	12.5	20	35 √ 18 × 29

電動穰襟機 LOCKSTITCH SEWING MACHINE

"Typical" Model 96-41



Model 96-41 is a single needle industrial machine for sewing with a straight lock-stitch. The shuttle is driven by gears and provided with a reversible feed.

When operating at the highest speed, the machine runs smoothly without appreciable vibration. All components are made of first grade materials, the moving parts being of heat treated steel. The machine is suitable for weaving mills or uniform factories, and for manufacture of shirts and underwears.

The machine can be supplied with either treadle drive stand or electric drive stand, in the latter case it is fitted with a knee press by which the presser foot can be raised when the operator's hands are engaged.

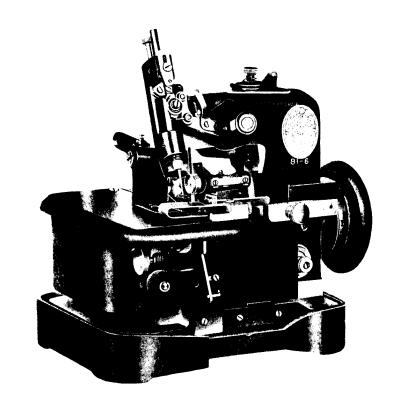
Length of stitch	 				 	4 mm.
Maximum sewing speed	 	• • •			 	2500 stitches per minute
Working space under arm	 		• • •		 • • •	265×165 mm.
Thickness of material sewn	 			• • •	 	7 mm.
Power required	 				 	ļ HP

Contents	Approxima (k	nte Weight gs)	Approximate Measurement (cm)	
	Nett	Gross		
Treadle Stand	55	83	164×103×69	
Head	23	33	62 × 28 × 46	

電動包縫機

THREE-THREAD OVERLOCK SEWING MACHINE

"TYPICAL" MODEL 81-6



This machine is fitted with auxiliary feed and trimmer, and is specially made for sewing fabrics, hosiery or light materials. The machine produces elastic chain stitch and is also designed for TRIMMING, OVEREDGING and BLIND STITCH HEMMING or WELTING, these can be done in a single operation.

Apart from the foregoing, this machine has made possible, quality production, high-speed and low operating costs to a degree greater than ever before. It is easy to handle, simple to adjust, sturdy in design, accurate in workmanship and is readily adapted to many kinds of work.

Length of stitch 3.6 mm. Maximum sewing speed 3000 stitches per minute Sewing width 1.5—5 mm. Thickness of material sewn 5 mm. Needles System (81 \times 1) Power required $\frac{1}{4}$ HP.

Contents		eximate t (kgs) Gross	Approximate Measurement (cm)		
l set Head	18	27	52 × 36 × 40		

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AMMONIA COMPRESSORS

MODEL 2 AV-76 & MODEL 2 AV-100

Model 2 AV-76 As Illustrated on Front Cover

Model 2 AV-100 Similar in Appearance

SPECIFICATIONS

	Model 1 AV-/6	Model 2 AV-100
Туре	Vertical 2 Cylinder	Vertical 2 Cylinder
Bore	76 mm	100 mm
Stroke	76 mm	100 mm
Rated Speed	400 rpm	400 rpm
Suction Pipe Connection	20 mm (¾")	25 mm (l")
Discharge Pipe Connection	15 mm (½″)	20 mm (¾″)
Power Required	3.75 KW (5´HP)	7.5 KW `(10´ HP)
Shipping Weight	400 kgs. approx.	570 kgs. approx.
Shipping Measurements	100 $ imes$ 70 $ imes$ 75 cm approx.	130 imes 79 imes 93 cm арргох.

GENERAL DESCRIPTIONS AND CONSTRUCTIONAL FEATURES

Compressor Frame: High Grade Cast Iron. Cylinder and Base with Crank Case

cast in two separate pieces, to facilitate dismantling.

Crank Shaft Forged Steel.

Connecting Rod: Cast Steel, with renewable Bronze Wrist Pin Bushing and

Crank Pin Bearing.

Piston: Double Trunk Type, giving cross-head effect.

Suction Valves: Poppet Type, located on top of Pistons.

Discharge Valves: Plate Type, located in the Safety Head, providing protection

against excessive pressure.

Lubrication: Splash Type.

Valve Manifold: Equipped with Suction & Discharge Shut-Off Valves, Safety

By-Pass Valve & Suction Screen.

Model 2AV-100 is additionally equipped with By-Pass &

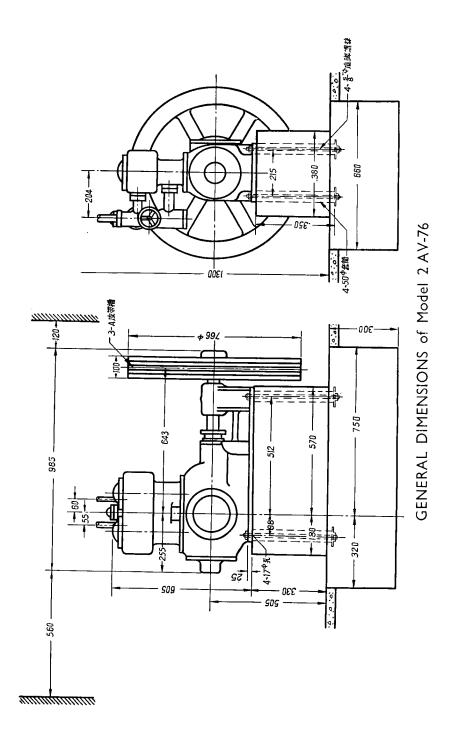
Pump-Out Valves.

CAPACITY TABLE

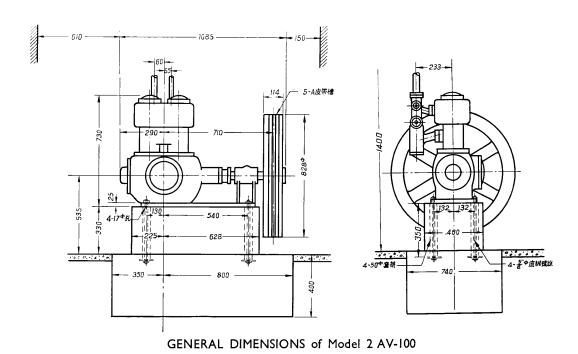
Ammonia Condensing Temperature Ammonia Evaporating Temperature		35°C —10°C			35°C +5°C
Capacity Kilo-Calories/Hour					
Model 2AV- 76	5900	7400	9100	11000	13500
Model 2AV-100	13650	17100	21000	25600	31100

REFRIGERATING CAPACITY IN TONS may be estimated by the formula:

I Ton Refrigerating Capacity=3000 KCal/Hr. approximately PERFORMANCE CURVES will be supplied upon request.

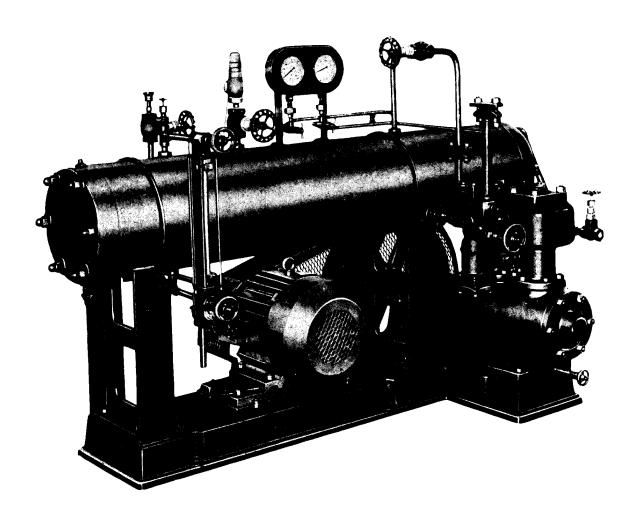


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MODEL 2 AV-76U AMMONIA SELF-CONTAINED REFRIGERATING MACHINE

Ammonia Compressor Model 2 AV-76 Supplied as A Refrigerating Machine Unit



GENERAL DESCRIPTIONS

The Machine consists of Ammonia Compressor Model 2 AV-76, Condenser, Motor, V-Belt Drive & Belt Guard all on a rigid cast iron common base, convenient both for installation and operation.

It is also equipped with two Pressure Gauges and one set of Connecting Pipes & Fittings.

AMMONIA COMPRESSOR MODEL 2AV-76: as illustrated and described in the preceeding pages of this catalog.

AMMONIA CONDENSER: Horizontal Shell & Tube Type, 330 mm outside diameter, 1959 mm length between two tube sheets with 24 steel tubes of 32 mm outside diameter, having a total condensing surface of 3.64 square meter, equipped with:

Ammonia In-And-Out Stop Valves Liquid Level Indicator Safety Valve Oil Drain Valve Oil Purger

<u>MOTOR</u>: 3 Phase Induction Type, 3.75 KW (5 HP), 1450 rpm, 380 volt, 50 cycle, complete with Protecting Switch. Motor of other electrical characteristics may be supplied according to consumer's requirements.

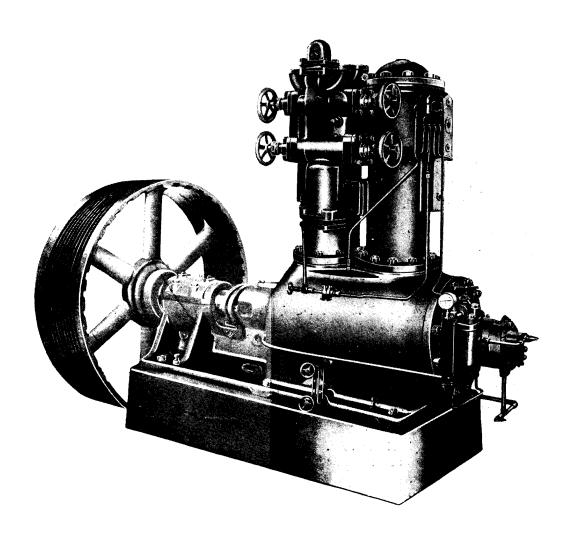
SHIPPING WEIGHT AND MEASUREMENTS: (Approximate Figures)
1200 Kgs. & 200×125×145 cm respectively

PARTICULARS

For Model 2 AV-100U Ammonia Self-Contained Refrigerating Machine will be supplied upon request

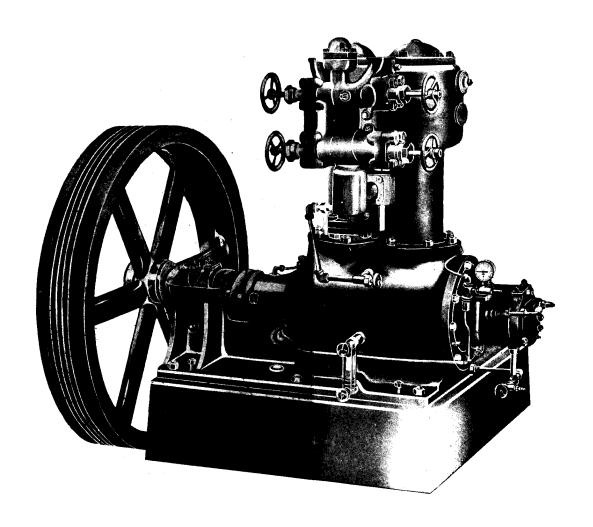
AMMONIA COMPRESSOR

MODEL 2 AV-230



AMMONIA COMPRESSOR

MODEL 2 AV-165



AMMONIA COMPRESSORS

MODEL 2 AV-165 & MODEL 2 AV-230

SPECIFICATIONS

	Model 2 AV-165	Model 2 AV-230
Туре	Vertical 2 Cylinder	Vertical 2 Cylinder
Bore	165 mm	230 mm
Stroke	165 mm	230 mm
Rated Speed	360 rpm	300 rpm
Suction Pipe Connection	50 mm (2")	80 mm (3")
Discharge Pipe Connection	40 mm (1½")	50 mm (2")
Power Required	30 KW (40 HP)	60-75 KW (80-100 HP)
Shipping Weight	1600 kgs. approx.	3500 kgs. approx.
Shipping Measurements	$190 \times 131 \times 134$ cm approx.	$250 \times 135 \times 195$ cm approx.

GENERAL DESCRIPTIONS AND CONSTRUCTIONAL FEATURES

Compressor Frame: High Grade Cast Iron. Cylinder and Crank Case cast in two

separate pieces, to facilitate dismantling.

Crank Shaft: Forged Steel, drilled with oil passage for force feed lubrica-

tion to the main bearings, crank pin and wrist pin bearings.

Connecting Rod: Cast Steel, with renewable bronze wrist pin bushing and crank

pin bearing.

Piston: Double Trunk type, giving Cross-head effect.

Suction Valves: Multiple Poppet type, located on top of Pistons and fitted

with cushion spring in cushion nut.

Discharge Valves: Multiple Poppet type, located in the Safety Head which is

designed to lift in case of any unusual pressure. Valves provide

large area for low velocity gas flow.

Lubrication: Force Feed Lubrication. Circulation by a Gear Pump at the

end of crank shaft through cartridge type Oil Filter to cylinder walls and all bearings with the exception of outboard bearing which is oiled by two oiler rings carrying oil from the reser-

voir.

Valve Manifold: Equipped with Suction & Discharge Shut-off Valves, By-pass

& Pump Out Valves, Safety By-pass Valve & Suction Screen.

CAPACITY TABLE

Ammonia Condensing Temperature	35°C	35°C	35°C	35°C	35°C
Ammonia Evaporating Temperature	15°C	10°C	_5°C	0°C	+5°C
Capacity Kilo Calories/Hour Model 2AV-165 Model 2AV-230	57000 137500	71700 172000	88000 213000	106500 256000	130500 312000

NOTE: For Model 2AV-230

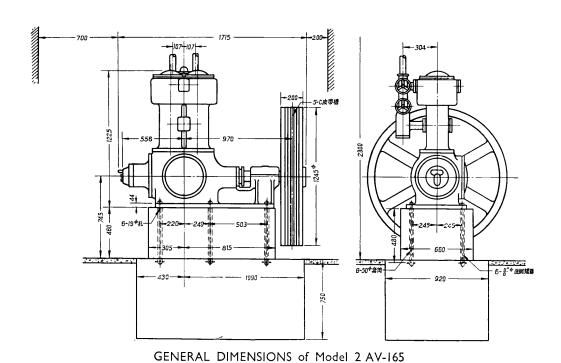
Power Required for the 1st 3 ranges: 60 KW (80 HP) Power Required for the last 2 ranges: 75 KW (100 HP)

REFRIGERATING CAPACITY IN TONS may be estimated by the formula:

1 Ton Refrigerating Capacity=3000 KCal/Hr. approximately

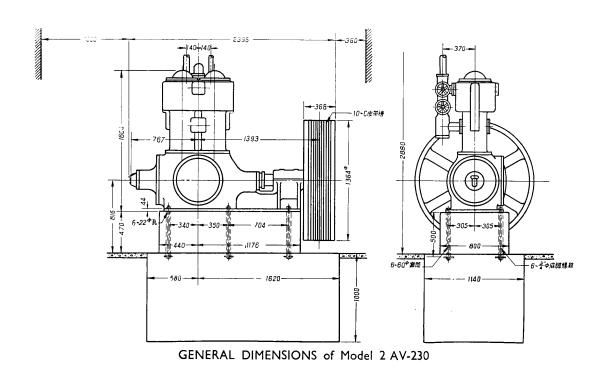
PERFORMANCE CURVES will be supplied upon request.

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AMMONIA COMPRESSORS

Fields of Application:

Cold Storage

Ice Factory

Ice Cream Plants

Bakeries

Dairies

Breweries & Beer Depots

Meat & Fish Markets

Slaughter Houses

Textile Mills

Oil Refining Works

Chemical Plants

Theatres, Auditoriums,

Hospitals, Hotels, Apartments

Office Buildings And So On

Further Technical Data

& other Information

will be supplied upon request

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IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

鞋 釘 機

BLUE CUT TACK MAKING MACHINERY AND MANUFACTURING PROCESS

Manufacturing Process: Heating the steel bar to a temperature slightly above critical temperature, say around 900 deg. C, and then cooling in the furnace slowly \longrightarrow Removing oxide fragment mechanically by winding over a drum \longrightarrow Pickling by dipping the steel bar into dilute sulphuric acid solution, washing by water, redipping in lime water and then drying by baking so as to prevent further oxidation \longrightarrow Heading by pressing the lead of the steel bar to a smaller dia. enabling to pass through the drawing die \longrightarrow Drawing the bar through dies repeatedly to reduce the dia. to about 1.93 mm for $\frac{3}{4}$ " Tacks or 1.52 mm for $\frac{1}{2}$ ". Tacks \longrightarrow Heading, pointing and cutting to complete the form of a Tack automatically by Tack Making Machine \longrightarrow Polishing by barrelling with wood dust \longrightarrow Heating the Tack in an iron furnace to a temperature around 300 deg.C and then cooling in air to make them blue in colour \longrightarrow Packing

Equipments: Necessary and sufficient for manufacturing 5 cwt. of $\frac{3}{2}$ " and 5 cwt. of $\frac{3}{2}$ " Blue Cut Tacks per day of 8 hours.

- (1) ONE Annealing Furnace fabricated with fire bricks.
- (2) ONE Winding Drum for surface cleaning driven by a 10 HP motor.
- (3) Pools and Baking Furnace for pickling.
- (4) TWO Headers for reducing the lead dia. coupled to the same motor driving Wire Drawing Machines.
- (5) THREE Wire Drawing Machines driven by 3 motors, I of 40 HP and 2 of 30 HP each.
- (6) FORTY TWO Tack Making Machines driven by 2 motors of 15 HP each.
- (7) THREE Barrels for polishing of Tacks driven by a 10 HP motor.
- (8) ONE Heating furnace driven by a 2 HP motor.

Production Data: The principal machine is Tack Making Machithe production of this machine is most important. According to u single machine will produce about 48 lbs. Tacks of $\frac{3}{4}$ " or 24 lbs. Tac But for safety sake we suggest 42 Machines to satisfy your required p will be at a standstill for replacement of wearing parts or due to or equipments are arrangeable to mesh the production of Tack Making

Labourer: Consulting with expert, about 38 labourers should Plant including one engineer and one mechanic. Because the T automatic, a skillful labourer can operate 3 machines at same time and skillful after few months' training.

Ground Space: The Tack Making Machine has an overall dimension of about $4' \times 4' \times 3'$ and the whole plant will occupy a ground space about 2000 square meters.

單扳手及雙扳手噴花槍 SINGLE-TRIGGER AND DOUBLE-TRIGGER SPRAYING GUN

This is a new and improved type of spraying guns of single finger and double finger trigger. The sprayed surface and the fineness of the mist is adjusted through the nozzle trigger and distance applied. It will operate on air pressure from 30 to 40 lbs. depending upon density of liquid to be sprayed.

It has a wide range of application, and may, therefore, be used for spraying varnish colors, enamel as well as various other kinds of fluids on metal, caskets, novelties, toys, and rubber shoes.

Its standard equipment is a 4 oz. brass container.

Usually the gun is supplied with a paint nozzle of 1.2 mm, other sizes can be supplied upon request.

Caution:- The cleaning is easy. Don't clean it with metallic tools or wire. These parts have to be cleaned by dipping them into the gun cleaning liquid. If metal tools or wire are used for cleaning, these nozzles are bound to be DAMAGED.

25X1

中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

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ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

大型馬達喷漆槍 TYPE No. 1 SPRAYING GUN

This is a new and improved type of spraying guns of high quality, It is good for spraying varnish to cover large surface. The gun can be adjusted by an adjusting wheel, for spraying round and flat form objects. Depending upon density of liquid to be sprayed, it will operate on air pressure from 70 to 80 lbs.

It has a wide range of application, and may, therefore, be used for spraying AUTOMOBILES, DECORATIVE WORKS, AND MACHINERY.

Its standard equipment is 20 lbs. aluminium jar. This gun is supplied with a paint nozzle of 1.85 mm.

The cleaning is easy. Don't disassemble the parts. BEWARE CASUAL LEAKAGE.

二號噴花槍

TYPE No. 2 SPRAYING GUN

The spraying gun of type No. 2 is finer than that of Single & Double Finger Trigger Spraying Gun. Size of spray is adjustable. It operates on air pressure from 30 to 40 lbs.

It is used extensively by poster artists, architects, and decorators by reason of its allround properties for paint-spraying of large and small areas. Its standard equipment is a 4 oz. brass container.

Usually the gun is supplied with paint nozzle of 1.2 mm. Other sizes can be supplied upon request.

Caution:- The cleaning is easy. Don't clean it with metallic tools or wire. These parts have to be cleaned by dipping them into the gun cleaning liquid. If metal tools or wire are used for cleaning, these nozzles are bound to be DAMAGED.

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中國運輸機械進口公司

自動軟管灌裝封口機 FULL-AUTOMATIC TUBE FILLING, CLOSING AND SEALING MACHINE

This machine is completely automatic in tube filling, closing and sealing. It is designed to handle a wide variety of materials that can be packed in a tube such as tooth paste, rubber cement, ointments, artists' colours, etc., and is equipped with various devices to insure clean and uniformly filled tubes.

One operator only is required to place the empty tubes in position. The tubes are passed from the filling head to the folding jaws where closure is completed. An automatic ejector then removes the sealed tubes from the carrying cups and transfers them to the conveyor belt, of which height is adjustable. The closure made by this machine is quadruple fold to prevent possible leakage under ordinary room temperature.

The rugged filling mechanism operates on the simple, positive, gear principle. Two gears, when revolving, draw the material down from the hopper and further expel it through nozzle into the tube, The "no tube—no fill" device functions as a sensitive control of the filling mechanism. When there is no tube in the filling position, there can be no discharge.

The motor is housed in the base and mounted on a hinged plate. V-belt and variable speed pulley are equipped. Speed can be easily changed by means of a hand-wheel to maintain maximum production under all operating conditions. Automatic magnetic remote control switch and push-button switch are provided for starting and stopping the machine.

Machine dimension 1850 \times 1120 \times 2440 mm.

Type TPFM

Length of tube 140 \pm 25 mm.

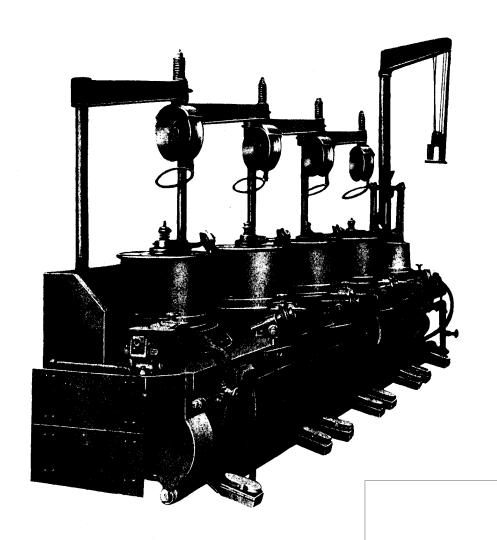
Diameter of tube 22 — 25 mm.

Motor I HP., 920 rpm, 3-phase, 220/380V.

Machine weight 1000 kgs.

拔 絲 機

NON-SLIP CONTINUOUS WIRE DRAWING **MACHINE**



25X1

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WIRE STAND:-

The wire stand is a simple mechanism for holding coiled wire in an inclined position at a convenient working distance for drawing.

OPERATION:-

Take the bottom lead from coil, pass it through pointing roll machine to make wire top slender so that the wire may go through dies of the first block. Grip the wire top by chain wrench and thrust the other end of chain into the block hole. Step on pedal to let the machine run. When the wire has wound around the block about 10 rounds, stop the motion and disconnect chain wrench. Next, the wire passes around the suspension roller, and is then drawn out and pressed again by pointing roll machine to make its end smaller so as to be able to enter the dies chamber of the second block. The same procedure is being repeated until the last block is reached. When wire has accumulated to a certain quantity on the last block, operate hand hoist to lift up the coil and shift it over to the swift stand. For model D5A, each drawing block, attached with pedal, is individually driven by motor; however, models. D5B and D5C are by clutch transmission. The drawing speeds of different blocks, from slow to fast, each varies about 30%. To ensure high efficiency, perfect water cooling system is provided for blocks dies chambers. The dies chambers are further filled with soap flakes. During drawing, an electric butt welding machine will join the wire ends together.

SPECIAL FEATURES:-

- 1. Any required number of blocks up to 7 can be arranged as a simple unit.
- 2. Each unit is self-contained, every block is individually driven either by a motor or through main shaft and independent clutch.
 - 3. Additional blocks can be added whenever desired.
- 4. Machine can be divided into sections, and any intermediate block can be easily converted into a finishing block.
- 5. All gears are enclosed, phosphorous bronze worm wheel and case hardened worm are being adopted for quiet running and durable service.
- 6. Die boxes are provided with vertical and horizontal adjustments; and blocks and dies with visual control of water cooling.
 - 7. Range of speeds up to 1200 ft./min. is available with bigger motors.
 - 8. Remote control can be incorporated if required.
- 9. The wire tension is easily controlled. These machines are capable of drawing high tension steel, mild steel, brass, bronze and aluminium (wires)
- 10. The machine is equipped with collapsible devices for quick release of wire and increased running efficiency.
 - 11. Operation is very simple, even for semi-skilled operative.

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Model	Specification	Power required	Last block speed (rpm.)	Output with reference to wire gauge. BWG., kg./hr.	Drawing speed of finishing block	Approx weight including parts	Overall dimension excluding parts
D5A	No. of blocks - 5 Dia. of blocks -16" Cir. of blocks -50.26"	Ist-4th blocks 5 HP. 5th block 6 HP. (380 V, 3-phase, 1440 rpm.)	172	#14-#18 114 #15-#19 87 #16-#20 63	219 m/min. (720.5 ft/min.)	Net. 7 m./t.	6900 × 1000 × 1750 mm.
D5A	No. of blocks – 3	1st block 5 HP. 2nd block 5 HP. 3rd block 5 HP. 380 V, 3-phase, 1440 rpm.)	129	#14-#16 155 #15-#17 113 #16-#18 87 #17-#20 47	173 m/min. (540 ft/min.)	Net. 5 m./t.	4000 × 1000 × 1700 mm.
D5B	No. of blocks - 4 Dia. of blocks -18" Cir. of blocks -56 5" Clutch transmitting power	40 HP. (380 V, 3-phase, 960 rpm.)	117	# 8-#12 430 # 9-#13 335 #10-#14 235 #11-#15 206 #12-#16 158 #13-#17 116	167 m/min. (551 fε/min.)	Net. 8 m./t.	6000×1500×1750 mm.
D5C	No. of blocks – 4 Dia. of blocks 22" Cir. of blocks –69" Clutch transmitting power	60 HP. (380 V, 3-phase, 960 rpm.)	76	#3-#10 500 (#3-6.5 mm. wire rod) #4-#11 400 #5-#12 290	134 m/min. (440 ft/min.)	Net. II m./t.	7000 × 1600 × 1850 mm.

REMARKS:—The above quoted speeds are low range speeds, spe.ds up to 1000 ft. min. can be obtained with bigger motors.

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中國運輸機械進口公司

整圓輪胎翻制機

本机專供旧胎翻新之用,使用簡便,翻制时間迅速。在翻制前先將旧胎磨园及磨毛 將配合之橡膠黏复于胎上,置于模內硫化,即可整旧如新。

外模, 上半模由架支持, 固定不动, 下半模与上半模之間, 有鉸鏈接合, 由空气简启閉, 另用蒸汽使兩半模加热进行硫化。

內模,配有各种尺寸及刻花之鋁模,任凭选訂,均可照价供应,模子式样共分五种,每种适用于某种规格范圍內之鋁模(見附表),每套机器备有鋁模一个,其尺寸須于定貨时选定。

硫化过程:在硫化时先將适合之汽袋置于胎內,后將下模用空气筒上升关閉,从侧面使蒸汽进入上下模施以高度压力,促成硫化工作,关于所应用之汽袋,由客戶自备,制造此項汽袋之鋁模可按价供应。

翻制时間: 每条輪胎需一小时半至二小时,附屬設备如鍋爐及空气压縮机等,均可按价供給。

平山 日	± A 114 🗃 🖵 .		重	量	ST DIES A ALABASIS		
型号	輪胎尺寸	淨	毛	装箱尺寸	可以配合外模使用		
TR 1	650×16	公斤 749	公斤 882	$86.5\times99\times1245$	如需翻制 600×16 輪 胎,只要另备 600×16 内模同样适用		
TR 2	750×20	933	1165	89 × 1245 × 1475	如 需 翻 制 650×20 700×20, 只要另备内 模亦可适用		
TR 3	1000 × 20	1716	1906	$91 \times 141 \times 166$	如 需 翻 制 825×20 900×20, 只要另 <u>备内</u> 模亦可适用		
TR 4	1200 × 20	2400	2645,	91.4×143×176	如 需 翻 制 1050×20, 1100×20只要另备内模 亦可适用。		
TR 5	1200×22	2453	2821	$91.4 \times 147 \times 180$			

本机附件: 汽压表一具, 热度表一只, 及应用板头等工具

橡膠混合机

本机專煉生膠备硫化之用,將生膠与化学原料同时混合輾軋,重磨輾軋即成硫化原 料,机架坚固,有齿輪轉动,轉速不同的冷硬鉄輥兩只,由蒸汽加热幷有冷却裝置,其 热度可随时調整,輥間距离,可用螺絲調整,輥上有銅襯套軸承,輥子裝有調整导板防 止硫化質料濺出,本机由一电动机通过减速齿輪轉动幷备有离合器。

輥筒尺寸:

	直	徑:	356公厘(14")
	長	度:	914公厘(36")
速	度:		
	主	軸:	16/ 分
	副	輥:	12/ 分
	主	軸:	75/ 分
			960: 75
需用	馬力:		40 <u>pc</u>
外型	尺寸:		············3680×1640×1060公厘
يجز	量:		
重	量:	• • • • • •	約4500公斤

AUTOMATIC STUCCO MIXER

自動式泥浆撹拌机



11.1.7

中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

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ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

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This mixer is of the latest design. It prepares stucco of cement, sand, lime and hemp and also that of clay, hemp, etc. It offers a smoother mix at such a low cost that it is impossible for the hand method to compete. The consistently high quality of stucco it produces combined with the savings in time, has justified itself as an indispensable machine for any large scale construction work.

The ratio of water to raw materials is a dominating factor in determining the quality of stucco. The water container of this machine is of the automatic self-measuring type with quantity of water controlled by an adjustable siphon pipe, which once set, every batch will receive a uniform amount of water.

The driving system is a combination of the 2.8 KW motor, V-belt, gears, sprocket wheels, etc. With mixing, elevating and lowering of the bucket actuated by motor, manual labour is reduced to a minimum.

In short, the operator is not only given the privilege of a lively operation but also the assurance of a thorough mixing.

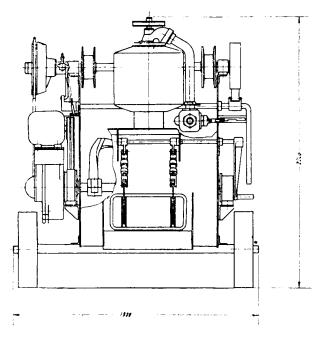
 Capacity
 ...
 ...
 ...
 ...
 200 to 325 litres.

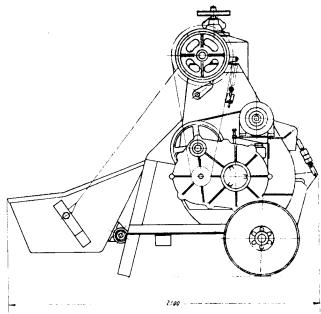
 Mixing blade speed
 ...
 ...
 ...
 ...
 30 rpm.

 Average mixing capacity
 ...
 ...
 ...
 26 cu. m./8 hrs.

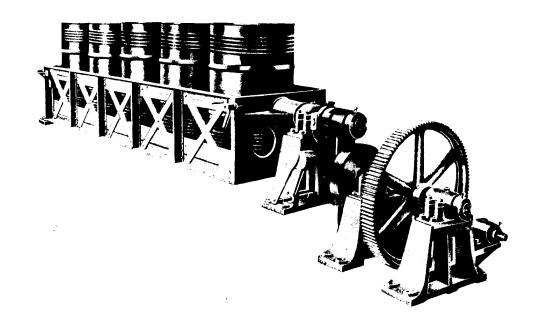
 Motor
 ...
 ...
 ...
 2.8 KW.

 Overall dimension (L×W×H)
 ...
 ...
 ...
 2,100×1,900×2,200 mm.





立式洗桶機 VERTICAL HOGSHEAD WASHER

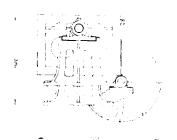


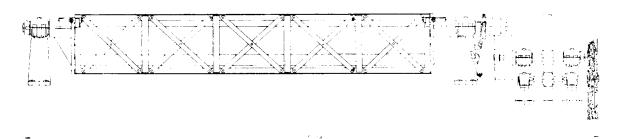
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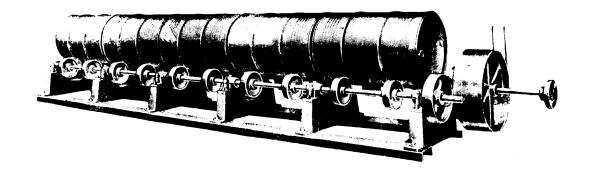
This machine is designed for washing hogsheads. It remarkably lightens physical labour and prevents the hogsheads from being damaged. In the hogshead stand timbers of 25 · 100 mm, are laid. While washing, two iron chains and one kilogram of caustic soda solution are to be used for every hogshead.

Treating capacity (washing bottom of hogshead) 10 hogsheads 3 hrs.									
	V-belt pulley:	Diameter .			• • •				62 mm.
		Width		• • •					79 mm.
	V-belt:	Number .							4
		Length							120 in. A-type
	Swing speed				• • •				35 times min.
	Main shaft spec	ed							35 rpm.
	Number of hog	gshead washed	l						5 pcs. each operation
	Swing angle							• • •	<u>+</u> 70
	Power required	d							15 KW.
	Overall dimens	ion (L · W · F	H)						5,104 - 1,200 - 800 mm.
	Weight								Net 750 kgs. Approx.





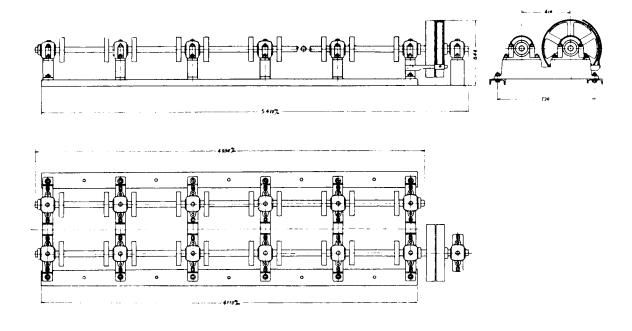
平型洗桶機 HORIZONTAL HOGSHEAD WASHER



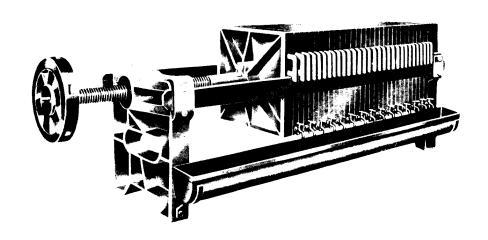
中國運輸機械進口公司 CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.

This machine simplifies labour in washing hogsheads. While washing, two iron chains (ϕ 12 \times 500 mm.) and one kilogram of caustic soda solution (30%) are to be used for every hogshead. The hogshead may be replaced while the machine is running.

Treating cap	acity (washing insi		•••	5 hogsheads/hr.			
Belt pulley:	Diameter			•••		610 mm.	
	Width			•••		100 mm.	
Main shaft:	Diameter			•••	•••	48 mm.	
	Speed					80 rpm.	
Roller:	Diameter			•••	•••	230 mm.	
	Width		•••			60 mm.	
Distance bet	ween rollers			•••		400 mm.	
Number of I	hogshead washed					5 pcs. each operation	
Rotation of	hogshead					31 rpm.	
Power required 2½ HP.							
Overall dimension (L \times W \times H) 5,410 \times 890 \times 644 mm.							
Weight				•••		Net 1,000 kgs. Approx.	



濾 油 機 FILTER PRESS



中國運輸機械進口公司 CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP. IMPORTERS & EXPORTERS

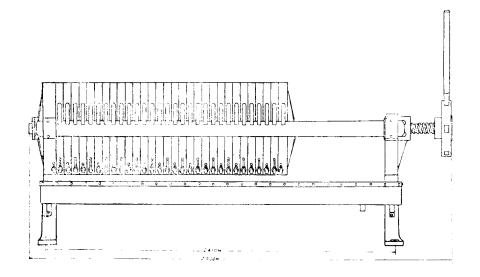
ER LI-KOU, HSI-CHAO, PEKING, CHINA . CABLE ADD: TRANSMACH PEKING

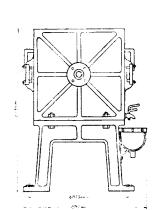
5.5c

For the essential removal of meal, organic matters and other materials from crude oil of whatever origin and process of production, this filter press which permits lively operation with high filtering pressure is most suitable.

The skeleton construction of the press is the sturdiest of its kind, with plates and frames resting on heavy side bars and closed by means of a heavy screw shaft actuated by a hand wheel. A piece of 8×8 strand filtering canvas of 660×1475 mm and a piece of white cloth of the same size are required for every filter plate.

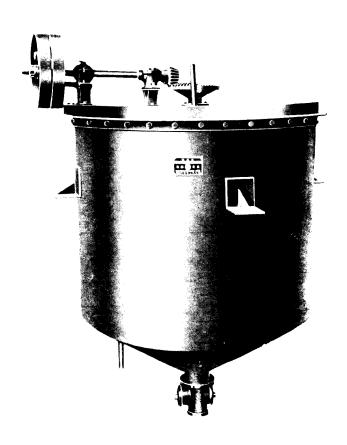
Treating capacity (24 hours)	 			6 — 7 tons.
Number of filter plates	 	•••		30
Dimension of filter plate	 			635×635×52 mm.
Side bars (left & right)				
Screw shaft: Diameter				
Length				
Threads	 		•••	2 /in.
Hand wheel: Diameter	 	•••	•••	400 mm.
Width	 •••			68 mm.
Number of slots on hand wheel	 • • • •	•••		6
Size of slots	 			38×51 mm.
Diameter of inlet pipe	 			32 mm.
Chamber volume				
Overall dimension (L; W; H)	 			290 0 × 850 × 1130 mm.
Weight				
				• ''





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清 油 罐 OIL PURIFIER

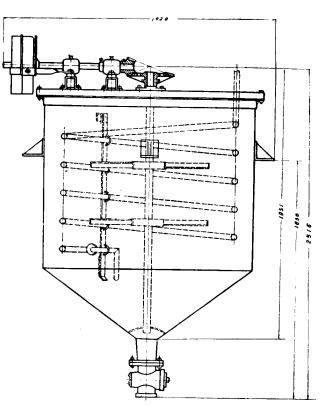


中國運輸機械進口公司 CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP. IMPORTERS & EXPORTERS

PEKING ER-LI-KOU, HSI-CHAO, PEKING, CHINA · CABLE ADD: TRANSMACH

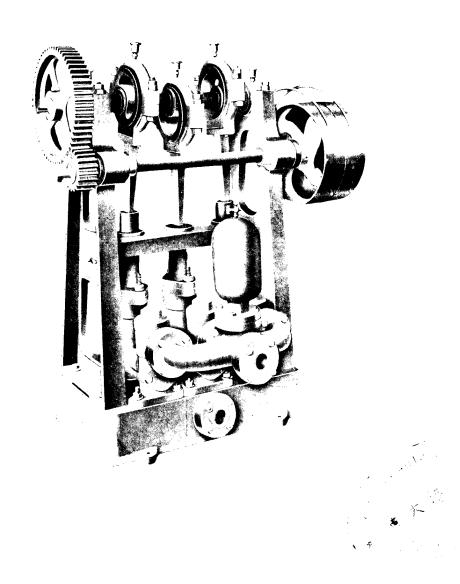
The oil purifier is the indispendable equipment in oil mills for purifying cotton seed oil. All the sediments in the oil will settle in six hours.

Treating Capacity								• • •		250 kgs. hr.
Tank: Diamete										
Height			• • •			•••				1951 mm.
Capacity	•••									1500 kgs.
Stirrer shaft: D	amet	er	•••			···•				50 mm.
Sp	eed							•••	• • • •	40 rpm.
Transmission ratio	of l	oevel	gea	rs					• • • •	3:1.
Belt pulley: D	amet	er	•••	•••						410 mm.
W	idth	•••	•••	•••		···	• • • •			80 mm.
Diameter of coil	pipe	•••	•••		•••					25.4 mm.
Number of coils	•••								•••	5
Treating tempera	ure		• • • •	•••						60 °C.
Power required	•••					•••				2 H.P.
Overall dimension	(L×	(W >.	H)	•••				•••		$1920\!\times\!1784\!\times\!2516$ mm.
										Net 750 kgs. Approx.



三缸油泵

TRIPLE PLUNGER PUMP

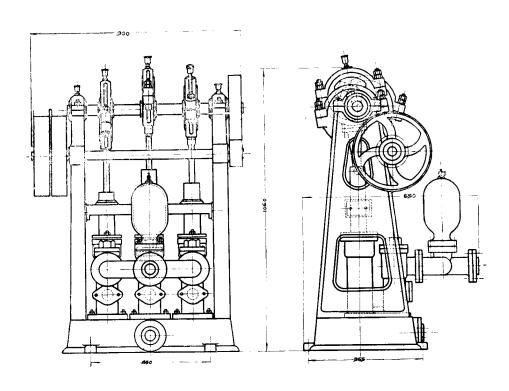


中國運輸機械進口公司 CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP. IMPORTERS & EXPORTERS

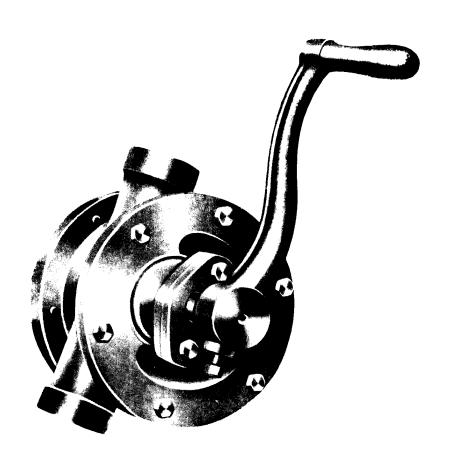
ER-LI-KOU, HSI-CHAO, PEKING, CHINA · CABLE ADD: TRANSMACH PEKING

This pump is designed for pumping oil into filter press and can also be used for other pumping purposes in oil mills.

Number of cylinders		• • •	• • •	• • •	• • •	• • •	• • •	3
Diameter of cylinder								60 mm.
Stroke								79 mm.
Speed								75 rpm.
Diameter of belt pulle	у							300 mm.
Width of belt pulley								70 mm.
Diameter of suction pi	ipe						•••	32 mm.
Diameter of discharge	pipe							32 mm.
Pressure head				• • • •		• • • •		3.5 metre
Capacity								830 kgs. hr.
Power required								2 H.P.
Overall dimension (L \times	(W - H)					•••		800 < 65 0 < 1060 mm.
Weight		•••						Net 340 kgs. Approx.



手 搖 泵 HAND PUMP



25X1

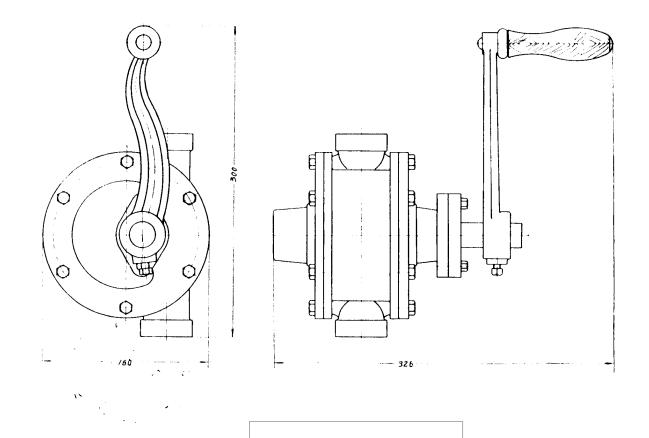
中國運輸機械進口及

CHINA NATIONAL TRANSPORT MACHINERY TORY CORP. IMPORTERS & EXPORTERS

ER LI KOU HST CHAO, PEKING, CHINA + CABLE ADD TRANSMACH

The hand pump is designed for delivering oil or other liquid in oil mills, oil and fat manufacturers etc. It is portable and easy in operation.

Suction pipe diameter		• • • • • • • • • • • • • • • • • • • •	•••	25 mm.
Discharge pipe diameter				25 mm.
Delivery capacity	•••	***	•••	I cu. m hr.
Pressure head			•••	3 m.
Speed	***		•••	80 rpm.
Overall dimension $(L \otimes W \otimes H)$			*** ***	160 < 326 > 300 mm.
Weight				Net 50 kgs. Approx.

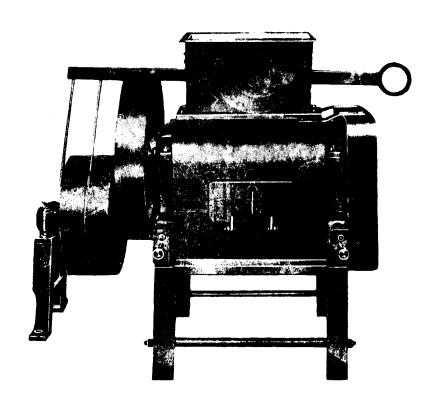


25X1

碎餅機

CAKE CRUSHER

(No. 14)

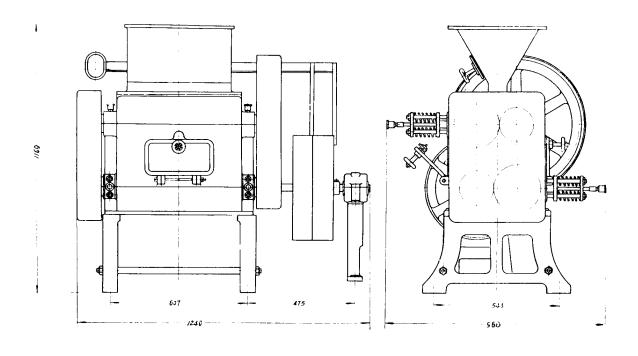


中國運輸機械進口公司 CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP. IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA . CABLE ADD: TRANSMACH PEKING

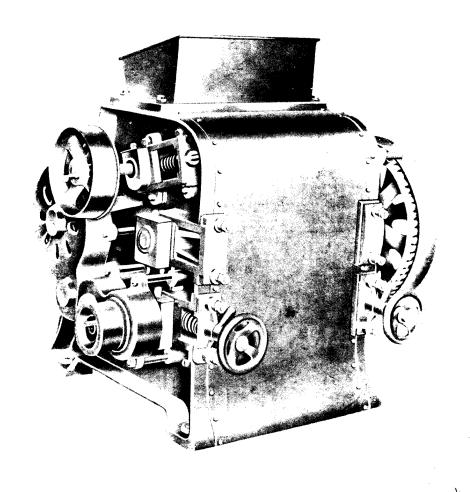
The purpose of this machine is to crush all kinds of oil cakes into small pieces to suit the use of consumers.

Treating Capacity				 1,500 kgs hr.
Number of teeth of o	oarse roller	• • • • • • • • • • • • • • • • • • • •		 360
Number of teeth of f	ine roller			 812
Tooth profile				 V-shaped.
Roller: Diameter				 187 mm.
Length				 483 mm.
Main shaft: Diameter				 38 mm.
Speed				 160 rpm.
Pulley: Diameter				 457 mm.
Width				 89 mm.
Power required				 5 HP.
Overall dimension (L	· W · H)		•••	 1,240 - 968 - 1,169 mm.
Weight				 Net 750 kgs. Approx.



CAKE CRUSHER

(No. 20)

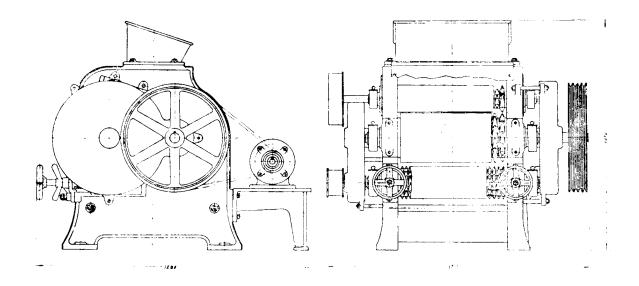


中國運輸機械進口公司 CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP. IMPORTERS & EXPORTERS

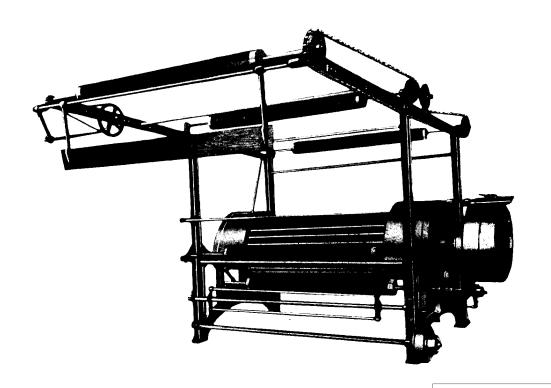
ER LI KOU, HSI CHAO. PEKING. CHINA . CABLE ADD: TRANSMACH PEKING

This machine can crush soya bean cakes and other cakes of square bar in about 10 mm size. It is adapted for mass crushing of oil cakes.

Treating capacity (crushing tile shaped cakes) 915 kgs. hr. Crushing disc: Diameter ... 234 mm. Thickness 232 mm. Number Main shaft: Diameter 46 mm. 100 rpm. Speed 508 mm. V-belt pulley: Diameter Width 72 mm. Belt: Number Length (A type) 76 in. Power required ... 2½ HP. 1,210 × 1,280 × 1,070 mm. Overall dimension $(L \times W \times H)$... Weight ... Net 1,000 kgs. Approx.



拉毛機 20 ROLLER RAISING



25X1

中國運輸機械進口公

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORA

拉 老 機

20 ROLLER RAISING MACHINE

The machine is used for producing a fleecy nap on woolen or cotton hosiery fabrics. It is provided with felting rollers for bedding of the fleece of the fabrics.

The machine drive is effected through grooved pulley, a friction clutch being provided for starting and stopping the machine.

The cylinder of heavy construction is mounted on the main shaft which runs in bronze bearings. The twenty card rollers run in oiling bronze bearings and are driven through sun and planet motion by cow hide pinions and internal gear. Through roller chain and change gears the main shaft drives from its left side, the outside rim of the internal gear, thereby transmitting energy to the working rollers by altering the change gears, the raising energy can be changed.

The felting rollers are driven by the main shaft through flat belting, tapered cone pulleys with belt slipper by means of which the speed of the felting rollers can be regulated.

The feeding of the fabric is over tension rails and take off rollers. The delivery of the raised fabric is carried out by means of cloth carrying rollers, roller chain and shaft driven plaining device which brings the finished fabric to the front of the machine.

The machine can raise simultaneously three widths of hosiery fabrics having a tubular width of 16" to 18". The production in 8-hour day is about 48 pieces of fabrics.

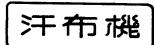
The machine is provided with card grinding machine and exhausting fan as standard equipments.

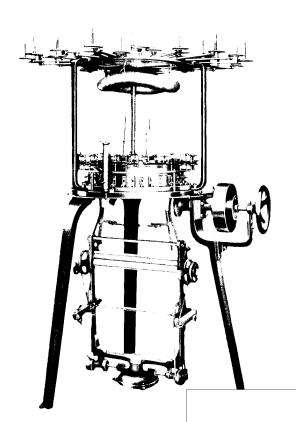
```
Width of Card Rollers ... ... 64"
Power Required
              ... ... ... ... 10 H.P.
Drive Pulley: grooved, pitch
         Diameter
                  ... ... ... ... 38
         Speed ... ... ... 100 rpm
        V-beltings Used ... ... 6 pcs. B-168
Installation Floor Space ... ... 6'4'' \times 7'8''
Working Space Required
                      ... ... 12'0"×18'0"
Weight:
                Net ... ... 5,800 lbs. approx.
                Gross ... ... 6,900 lbs. approx.
Shipping Space
               ... ... ... 195 cu. ft. approx.
```

BODY SIZE









25X1

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.

汗 布 機

BODY SIZE UNDERWEAR KNITTING MACHINE

MODEL KM 117

This machine is a multiple-feed, circular, latch-needle knitting machine of non-sinker type, designed for production of plain fabrics in either plain colours or a wide range of horizontal stripes. With modification of its parts, it can produce net fabrics.

The planned body size of the underwear comes right off the machine, eliminating the slitting and sewing of side seams.

Outstanding advantages of the machine are:

SIMPLE MAINTENANCE — INCREASED PRODUCTION

• Main Features:

Tripod construction, positive clutch, brass cut cylinder, hardened needle cams, stationary bobbin stand, revolving take-up and cloth roll-up, fabric stop motion.

Number of Feeds:

The machine is available in different cylinder diameters with corresponding numbers of feeds as follows:—

• Cut:

The cylinder can be supplied in different cuts (number of needles per inch) to suit the size of cotton yarn handled. For common plain fabrics, 19—20 needles per inch is recommended.

• Speed:

For 18" diameter machine, the cylinder speed is 22 revolutions per minute.

Power required:

3/4 HP in case of individual drive.

3 HP for six machines in case of group drive.

Output:

The output increases or decreases according to the skill of operator, gauge and diameter, count of yarn, etc.

When using 32s/1 and 40s/1 cotton yarns, 320—480 oz. in 8 hrs. When using 16s/1 and 20s/1 cotton yarns, 480—640 oz. in 8 hrs.

Width of Fabric:

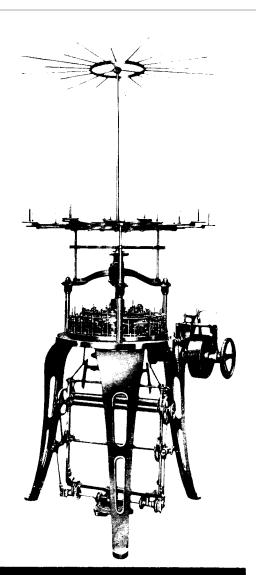
The width of fabric depends on the diameter of the machine, kind of material, count of yarn, etc. When using cotton of medium counts, we recommend diameter of machines as follows:

For Underwear:

```
Diameter of Machine ... ... ... ... 16" 17" 18" 19" 20" Underwear Size ... ... ... ... 32" 34" 36" 38" 40"
```

DATA FOR 18" DIAMETER MACHINE:

Installation Floor Space			•••	3'8" × 4'4"
Working Space Required		•••		5′6″ × 6′6″
Weight	•••	•••	Net:	720 lbs. approx. 930 lbs. approx.
Shipping Space	•••	•••		25.29 cu. ft. approx.



Interlock

25X1

中國運輸機械進口公司 CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP. 25X1 IMPORTERS & EXPORTERS

III-KOU-HSI-CHAO - PEKING - CHINA . CABLE ADD TRANSMACH

棉毛機

INTERLOCK KNITTING MACHINE

MODEL KM 118

This machine is a multiple-feed, circular latch-needle interlock stitch knitting machine of non-sinker type, designed for producing interlock fabrics in either plain colours or a wide range of horizontal stripes. With modification of its parts, it can produce plush fabrics.

The planned body size comes right off the machine, eliminating the slitting and sewing of side seams.

Outstanding advantages of the machine are:

SIMPLE MAINTENANCE — ECONOMY IN SPACE

• Main Features:

Tripod construction, positive clutch, brass cut cylinder and dial, hardened needle cams for cylinder and dial, stationary bobbin stand, revolving take-up and cloth roll-up, fabric stop motion.

• Number of Feeds:

The machine is built in different cylinder diameters with corresponding number of feeds as follows:—

Cut:

The cylinder and dial can be supplied in different cuts (number of needles per inch) to suit the size of cotton yarn handled. For example, when using 20s/1 cotton yarn, we recommend 17 needles per inch for fine quality fabrics and 13—14 needles per inch for second quality.

• Speed

For 18" dia. machine, the cylinder speed is 18 revolutions per minute.

- Power required:
 - 3/4 HP in case of individual drive.
 - 3 HP for 6 machines in case of group drive.
- Output:

The output increases or decreases according to the skill of operator, gauge and diameter, count of yarn, etc. Average 280—440 oz, in 8 hours.

Width of Fabric:

The width of fabric depends on the diameter of the machine, kind of material, count of yarn, etc. When using cotton of medium counts, we recommend diameter of machine as follows:

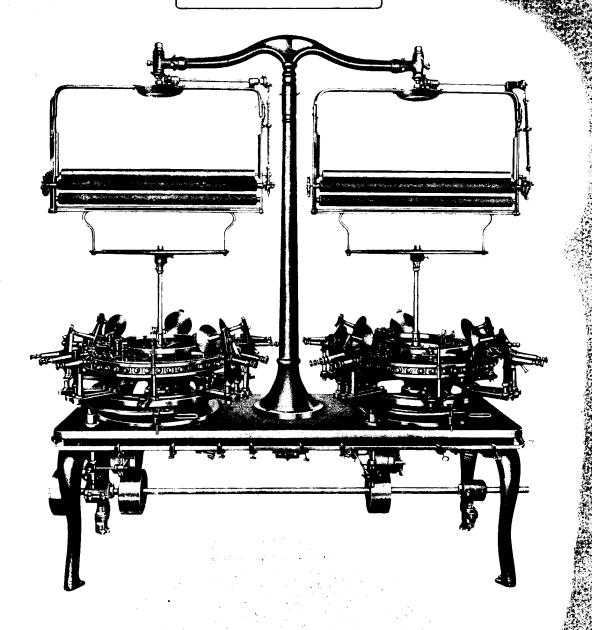
For	Underwear: Diameter of Machine Underwear Size								
For	Slitting Trousers: Diameter of Machine								
	Size of trousers	 	• • •	 	32	34	30	30	

DATA FOR 18" DIAMETER MACHINE:

				3′8″ × 4′4″
Working Space Required				
Weight	• • •	• • •		
			Gross:	1000 lbs. approx.
Shipping Space				23.41 cu. ft. approx.

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汗绒布二用纸根



DOUBLE HEAD SPRING NE

25X1

25X1

CHINA NATIONAL TRANSPORT MACHINERY IMPORT

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25X1

A型汗絨布二用織機

Double Head Spring Needle Knitting Machine

MODEL KM 116A

This machine is a multi-feed, circular spring needle knitting machine for plain fabric, cotton flannel (fleece lined fabric) and also woollen lay-in coating. Our long experience enables us to design the machine which is capable of producing goods of the highest quality.

The machine is equipped with automatic take-up and rolling-up of fabric. Take-up is suspended over the center of the cylinder and is constructed for variable production of fabric. Fabric stop motion is applied to each cylinder.

The machine can be arranged for individual or group drive. A positive clutch is provided on each cylinder to facilitate starting and stopping of the machine.

Model A machine is built with two cylinders of up to 22" diameter installed on the same table. Cylinders are available in diameters of 14" 15", 16", 17", 18", 19", 20", 21" and 22" respectively. According to the cylinder diameter and gauge of burs, 3 to 5 feeds are applied to each cylinder.

The gauge of the machine to be adopted depends upon the product. To change the gauge, all that is required aside from changing the needles, is a set of new knitting burs of the gauge desired. We recommend gauge of burs as follows:

Product	Gauge of Burs	No. of Feeds each Cylinder	Cotton Yarn Used
Plain Fabric Cotton Flannel	32, 34, 36, 40 20, 22, 24, 28	4 or 5 3 or 4	32sxl to 100s/2×1 6s×1 & 20s×1 & 32s×1 to 10s×1 & 32s×1 & 40s×1

Each machine is supplied with either 6 feeds of burs for knitting cotton flannel or 10 feeds of burs for knitting plain fabric of one gauge to be specified against order. Burs for plain fabrics include one sinker bur, one cast-off bur, one lander bur and one clearing bur for each feed; burs for cotton flannel include two sinker burs, one cast-off bur, two lander burs, one clearing bur and one backing bur for each feed. Burs are complete with arms or brackets.

The machine is supplied with necessary needle pressers and bur holders. Needles, needle moulds and additional burs are to be supplied upon request at extra cost. The gauge of these accessories should be stated with the order.

The output increases or decreases according to the skill of operator, gauge and diameter, counts of yarn, etc., and the average is:

For plain fabric	 	 	 	 31 to 44 lbs. in 8 hours,
For cotton flannel	 	 	 	 124 to 150 lbs. in 8 hours.

DATA OF MODEL A SPRING NEEDLE KNITTING MACHINE

Cylinder Diamet	er							14 to 22"
Working Space	Requ	iired						4'0" × 8'0"
Cylinder Speed								60 to 80 rpm
Power Required								1.5 HP
Weight	• • •	• • •	• • •					2,240 lbs. approx.
.							Gross:	2,950 lbs. approx.
Shipping Space	• • •	• • •	• • •	• • •	• • •	• • •		100 cu. ft. approx.

B型汗絨布二用織機

Double Head Spring Needle Knitting Machine

MODEL KM 116B

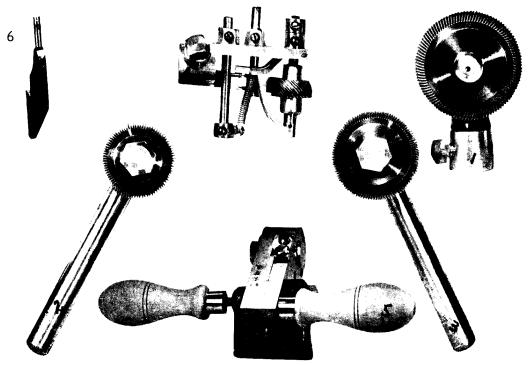
Model B is of identical construction as Model A, but has a larger table suitable for mounting two cylinders of 24", 25", 26", 27", 28", 29" or 30" diameters. This model is particularly recommended for knitting wider fabrics.

Owing to its larger size, each cylinder is equipped with either 6 feeds for knitting plain fabrics or 4 feeds for cotton flannels.

Model	 	 • • •	 	В
Cylinder Diameter				
Working Floor Space	 	 	 	5′ 0″ 🔀 9′ 0″
Power Required				
Cylinder Speed	 	 	 	6065 rpm
				Net: 2700 lbs. approx.
· ·				Gross: 3150 lbs. approx.
Shipping Space	 	 		100 cu. ft. approx.

BURS FOR PLAIN FABRICS

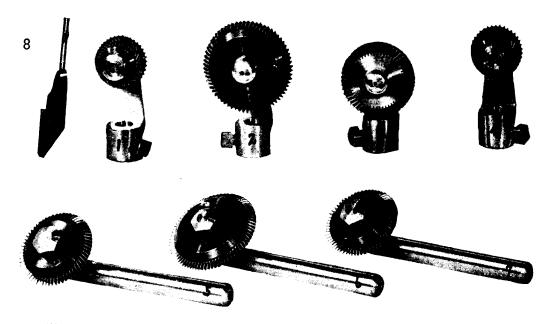
Gauge: 32, 34, 36, 40



(1) Clearing bur, (2) Lander Bur, (3) Cast-off bur, (4) Sinker bur, (5) Needle mould, (6) Needle.

BURS FOR COTTON FLANNEL

Gauges: 20, 22, 24, 28



(1) and (4) Sinker bur (2) Clearing bur, (3) Backing bur, (5) and (7) Lander bur, (6) Cast-off bur, (8) Needle.

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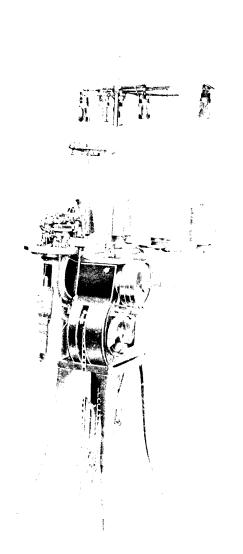
CANTON OFFICE:

25 Tai Ping Road South

Cable Address: TRANSMACH Canton

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自動織袜機



Automatic

HOSIERY Machine

Model B-1

中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

自動織機機

AUTOMATIC HOSIERY MACHINE MODEL B-I FOR SOCKS

This machine is equipped with five yarn changing fingers which make the body of half socks (hose). The rib-tops are knitted upon rib-top machine and transferred by hand work to the cylinder needles to complete knitting of rib-top sock.

The machine is driven by line shafting. The cylinder runs at a high speed when making the circular courses of the leg and foot, it runs at a low speed with a reciprocating motion when making the heel and toe.

Main components of the machine consist of drive shaft, clutch shipper drum, rack wheel, chain sprocket wheel, main pattern drum, drum cams, thrust bars, yarn changing fingers, transfer ring, cylinder, sinker ring, brush, stitch adjustment device, lifting pickers, down pick (dropper), yarn sheer, switch cams, stitch cams and other necessary parts.

The machine handles mercerized cotton yarn of different counts. It is arranged with five yarn changing fingers.

Hose of various sizes can be produced by altering the number of links of the pattern chain. Alarm bell attachment enables the operator to stop the machine when any needle is broken.

Number of needles:

Available in different cylinder diameters with number of needles as follows:-

3" Cylinder diameter 120, 140, 148 needles. $3\frac{1}{4}"$ Cylinder diameter 160, 176, 188 needles. $3\frac{1}{2}"$ Cylinder diameter 220, 240, 260, 280 needles.

Power Required: 1/4 H. P.

Cylinder Speed: 260 — 285 rpm.

Drive Pulley: 7" dia., 3 4" width.

Speed: 210 — 230 rpm.

Floor Space: Installation floor space $1'-6'' \times 2'-6''$

Working space $2'-6'' \times 5'-0''$

Production: Based on 8 working hours (Cotton sock)

3" diameter machine: 5-7 doz. $3\frac{1}{4}$ " diameter machine: 5-6 doz. $3\frac{1}{2}$ " diameter machine: 4-5 doz.

Packing: In wooden case.

Weight: Net weight 330 lbs. approx. Gross weight 420 lbs. approx.

Shipping Space: Measurement $27" \times 30" \times 34"$



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LEIPZIGER STR. 112 W8 CABLE: CNIEC BERLIN

BRANCHES

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Cable Address: TRANSMACH Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road El

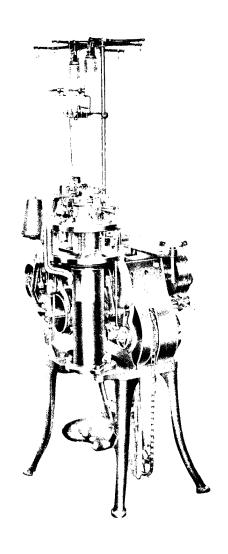
Cable Address: TRANSMACH Shanghai

CANTON OFFICE:

25 Tai Ping Road South

Cable Address: TRANSMACH Canton

自動織袜機



Automatic

HOSIERY MACHINE

Model B-2

中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

25X1

25X1

高简提花纖機機

AUTOMATIC HOSIERY MACHINE MODEL B-2 FOR FANCY PATTERN SOCKS

Model B-2 features the revolving double cylinder which enables knitting of various fancy pattern socks. It can produce not only lace patterns but also spiral, diamond or chints pattern and change colour designs.

The fancy pattern is achieved by the 14 step cylinder jacks and double trick wheels. Various kinds of pattern are easily and quickly done by rearranging and setting of the drum cams. The machine is equipped with five yarn changing fingers which in conjunction with a colour pattern drum enable horizontal stripe designs of four different colours.

The machine is quite simple to operate like the ordinary Model B-I and works automatically except the hand work of transferring the rib tops. The latch ring opens automatically subsequent to completion of socks.

The machine is driven by line shafting. When making the circular courses of the leg and foot, the cylinder runs at a high speed while the colour pattern drum also rotates. When making the heel and toe, the cylinder runs at a low speed with a reciprocating motion while the colour pattern drum does not rotate.

Number of Needles	•••	•••	•••	•••	available in cylinder diameter 3", $3\frac{1}{4}$ ", $3\frac{1}{2}$ with 160, 176, 188 and 200 needles.
Power Required					1 HP
Cylinder Speed		•••			180–200 rpm
Drive Pulley					$7''$ diameter $\frac{3}{4}''$ width. Speed: 138–150 rpm
Floor Space				•••	Installation floor space $1'-6'' \times 2'-6''$ Working space required $2'-6'' \times 5'-0''$
Production	•••		•••	•••	Based on 8 working hours about 60 pairs.
Weight		•••	•••		429 lbs. net 550 lbs. gross
Packing Measurement					27"×30"×34"



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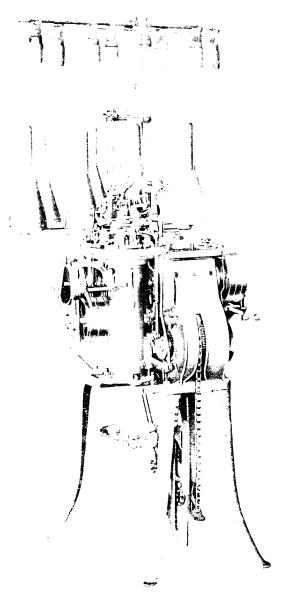
SHANGHAI OFFICE: 27 Chung Shan Road El

Cable Address: TRANSMACH Shanghai

CANTON OFFICE: 25 Tai Ping Road South

Cable Address: TRANSMACH Canton

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NACHINE

Model B-3

中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA CABLE ADD: TRANSMACH PEKING

橡 機 口織 襪

AUTOMATIC HOSIERY MACHINE MODEL B-3 FOR COLOUR STRIPED SOCKS WITH **ELASTIC TOP**

Model B-3 differs from Model B-1 in such a way that it is provided with attachments for making colour striped hose with elastic top.

The colour stripe pattern is accomplished by means of a colour pattern drum and yarn changing fingers, it enables the knitting of a large variety of horizontal striped pattern. The colour pattern drum is mounted above the main pattern drum, latter being common to all Model B machines. For cutting the pattern yarns, an automatic cutter is fitted to the colour pattern drum.

The machine is arranged with six yarn changing fingers for patterns in horizontal stripes of five different colours.

An elastic lay-in attachment is provided for insertion of rubber yarns in elastic tops. These elastic tops insure comfort in wear and will fit snugly to the leg.

Model B-3 embodies our latest improvements and designs and is worthy of recommendation. Besides, it produces colour striped hose which is well in demand in various countries of the world.

Number of Needles:

Available in cylinder diameters and number of needles as follows:—

 $3\frac{1}{4}$ " with 160, 176 and 188 needles.

 $3\frac{1}{2}$ " with 160, 176 188 and 200 needles.

Power Required: 1/4 H.P.

Cylinder Speed: 200-220 rpm.

Drive Pulley: 7" dia. 3/4" width. Speed: 138-150 rpm.

Floor Space: Installation floor space 1'-6"×2'-6"

Working space 2'-6"×5'-0"

Production: Based on 8 working hours about 70 pairs of cotton socks.

In wooden case. Packing:

Shipping Specification:

Net weight 385 lbs. Gross weight 500 lbs. Measurement: 27"×30"×34".

橡口織機

AUTOMATIC HOSIERY MACHINE MODEL B-3 FOR COLOUR STRIPED SOCKS WITH ELASTIC TOP

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LEIPZIGER STR. 112 W8

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BRANCHES

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Cable Address: TRANSMACH Tientsin

SHANGHAI OFFICE:

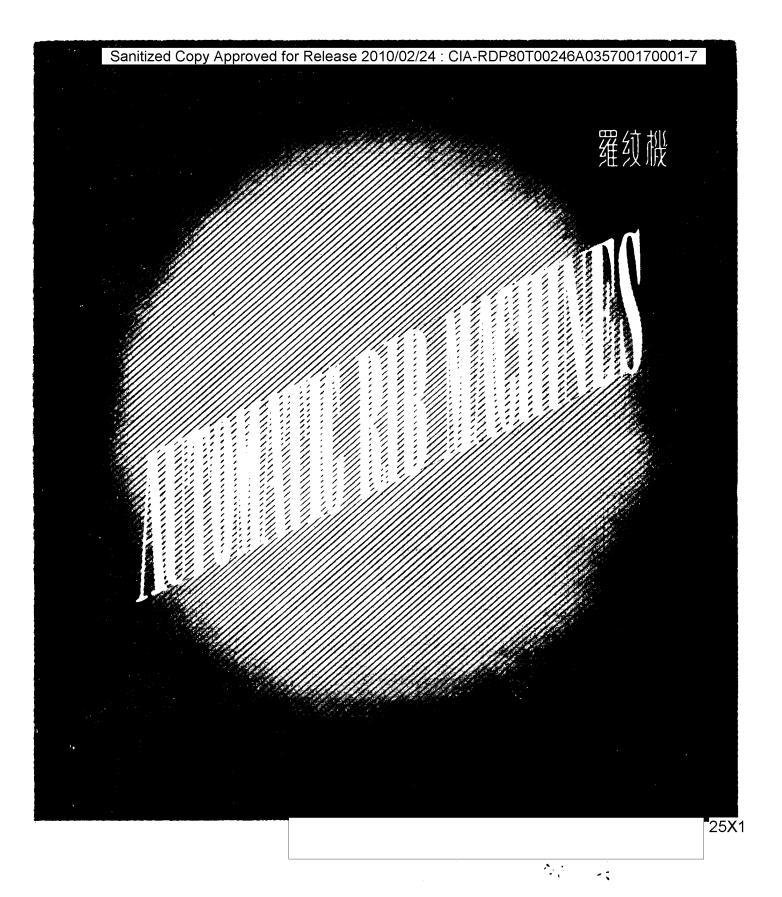
27 Chung Shan Road El

Cable Address: TRANSMACH Shanghai

CANTON OFFICE:

25 Tai Ping Road South

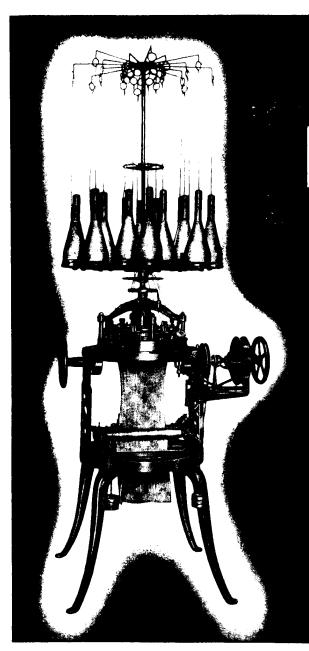
Cable Address: TRANSMACH Canton



CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

CABLE ADD: TRANSMACH PEKING
25X1 ER-LI-KOU, HSI-CHAO, PEKING, CHINA



纹 機

RIB MACHINE

Model: R-3

This rib machine is designed for producing rib bottom of underwear, or ribbed underwear for child-

The machine is built in diameters of 13" to 15" with 6-8 feeds and knits with two threads per feed. It produces I \times I rib stitch having good elasticity of

The cylinder is made of best steel. The number of needles of the knitting unit is changed by altering the cylinder and dial.

The machine is equipped with drive shaft, cam ring, ribber dial cap, bed and base, needle cylinder and dial, yarn carriers, yarn stop motion and fabric take-up assembly.

Widths of fabric are dependent on the kind of yarn used, but an average I inch width of tube is obtained from I inch of diameter.

Among the advantages of the machine are reliability, high production, easy operation and durability.

Power Required: Cam Ring Speed: Drive Pulley:

Number of Needles: Available in different cylinder diameters with corresponding number of needles as follows: 13" 6 feeds 700 - 860 needles

14" 8 feeds 760 - 920 needles 15" 8 feeds 800 -1200 needles ½ HP. 25 to 40 rpm. Speed 250 - 300 rpm.

Gross 350 kg. approx.

Installation Floor Space 3'6"×3'6" Working Space Based on 8 hours, about 600 to 1000 oz. of rib fabrics using 42s/2

mercerized yarn.

Net 260 kg. approx.

Measurement:

Floor Space:

Production:

Weight:

This machine is used for knitting rib-cuffs of sleeves of underwears. It provides a French welt, the loose course and draw thread.

The machine is equipped with double feed and knits with two threads per feed producing $I\times I$ rib stitch. It makes perfect rib-cuffs, the section being separated by drawing the string.

It is furnished with a two speed drive attachment and for plain knitting the high speed is applied while the low speed is used for knitting the French welt and thus permits a fine quality product.

The cylinder is made of best materials. The number of needles in the knitting unit is changed by altering the cylinder and dial.

The machine is equipped with driving shaft, low speed pulley gear, clearing course side cam ring, tuck course side cam ring, ribber dial, yarn stop motion and fabric take-up assembly.

Number of Needles: Available in different cylinder

diameters with corresponding number of needles as follows:

3½" dia. 180 to 320 needles. 3½" dia. 180 to 360 needles. 4" dia. 220 to 400 needles.

Power Required:

1 HP for each machine.

Drive Pulley:

 $4\frac{1}{2}$ " dia. \times I-I/8" width.

300 to 400 rpm (high speed pulley)

210 to 240 rpm (low speed pulley)

Floor Space:

Installation Floor Space 2'1" ×2'1" Working Space Required 3'0"×5'0"

Production:

Based on 8 hours about 55 to 90 oz. when using 42s/I mercerized

yarn.

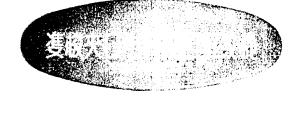
Weight:

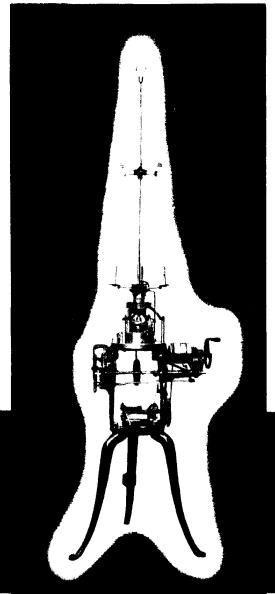
Net 95 kg. approx.

Gross 115 kg. approx.

Measurement:

30"×29"×54".







电動領口羅纹機

This machine is used for knitting rib neckband of underwears or sweaters.

According to its diameter, the machine is equipped with three to four feeds and knits with two threads per feed. It produces $I \times I$ rib stitch having good elasticity of fabric.

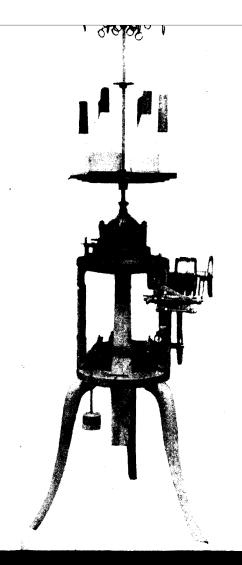
The cylinder is made of best steel. The number of needles in the knitting unit is changed by altering the cylinder and dial.

The machine is equipped with drive shaft, cam ring, ribber dial cup, bed and base, needle cylinder and dial, yarn carriers, yarn stop motion and fabric take-up assembly.

Number of Needles:

Available in different cylinder diameters with corresponding number of needles as follows:

6" 3 feeds 320 to 540 needles 61" 3 feeds 320 to 540 needles 4 feeds 320 to 540 needles



Power Required: ½ HP for each machine.

Cam Ring Speed: About 80 rpm.

Drive Pulley: $4\frac{1}{2}$ " dia. $\times 1-1/8$ " width.

Speed: 300 rpm.

Floor Pulley:

Installation Floor Space: 2'2"×2'2" Working Space Required: 4'0"×5'0"

Based on 8 hours about 270 oz. of rib

neck-band using 42s/2 mercerized yarn-

Weight: Net 110 kg. approx.

Gross 150 kg. approx.

Weight:

Production:

Measurement:

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AIB TOP MAGHIES

袜腰羅纹機

25X1

电视影响精制部目公司

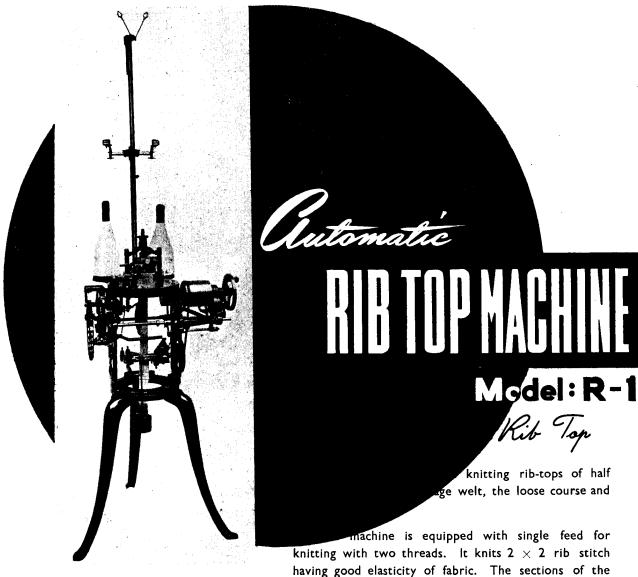
CHINA NATIONAL TRANSPORT MACHINER'S IMPURI CURP.

25X1

ER-LI-KOU, HSI-CHAO, PEKING, CHINA . CABLE ADD : TRANSMACH PEKING

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rib tops are separated by drawing the string.

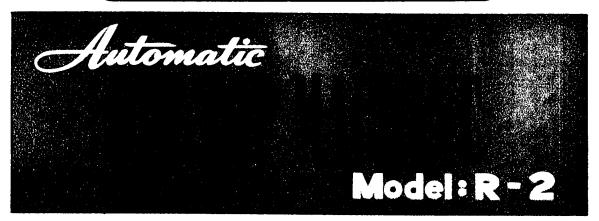
It is furnished with a two speed drive attachment and for plain knitting the high speed is applied while the low speed is used for knitting the selvage welt and thus permits a fine quality product.

The cylinder is made of best material. The number of needles in the knitting unit is changed by altering the cylinder and dial.

The machine is equipped with driving shaft, low speed pulley gear, clearing course side cam ring, stitch side cam ring, ribber dial cup assembly, pattern wheel, bed and base, needle cylinder and dial, yarn carrier, yarn stop motion and fabric take-up assembly.

光邊电動袜腰羅纹機(素色)

五色調綫电動袜腰羅纹機



For Colour Striped Rib Top

Model R-2 is used for knitting automatically and continuously striped rib-tops in five different colours. It is built by fitting Model R-1 with a 5 colour yarn changer.

The machine is equipped with yarn stop motion and fabric take-up assembly which permits a finely finished product. The colour pattern drum being equipped with an interchangeable pin permits one to make various kinds of horizontal stripes.

Models:

R-I and R-2.

Number of Needles: Available in different cylinder

diameters with corresponding number of needles as follows.
3½ dia. 160 to 200 needles.
3¾ dia. 176 to 220 needle.
4″ dia. 188 to 240 needle.

Power Required:

½ HP.

Cam Ring Speed:

138 to 158 rpm.

Drive Pulley:

 $4\frac{1}{4}$ dia. \times I–I/8" width

Speed: 386 to 446 r

Floor Space:

Installation Floor Space

Working Space Requires

Production:

Based on 8 hours per dozs. of rib-tops of

dozs. Of Tib-tops o

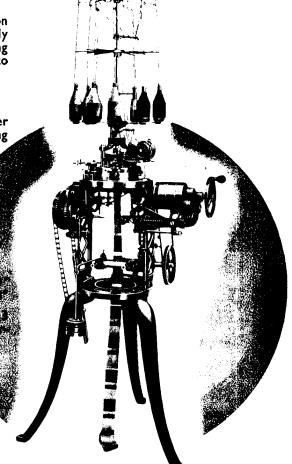
cerized cotton.

Weight:

Net 79 kg. approx. Gross 142 kg. approx.

Measurement:

30 " $\times 29$ " $\times 54$ ".



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Cable Address: TRANSMACH Shanghai

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IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING,

TRANSMACH PEKING^{25X1}

縫模頭熊 LOCKSTITCH LOOPER

This machine is used by leading too-tops of higher). It can also be these for looping rib-cuffs to sleeves of underwears.

Main components of the looper consist of main shaft, belt pulley, clutch, needle and hook bracket, needle lever, hook lever, place for point ring, point ring, rack wheel, yarn take up and other necessary parts.

The machine can be adapted to loop fine or coarse fabrics by changing the points, rack wheel, eccentric plug, and the needle and hook.

The following table gives the points per inch of the looper to correspond to the number of needles of the hosiery machine and the material handled.

Points per inch	Number of Needle of hosiery machine	Material Handled
12	88 1Ó4	Woolen hosiery
14	120 — 140	Woolen hosiery
16	140 — 160	Woolen and cotton thread hosiery
18	160 176	Cotton yarn or thread hosiery
20	176 — 188	Cotton yarn or thread hosiery
22	188 — 220	Cotton yarn or thread hosiery
24	220 — 240	Fine cotton yarn hosiery
26	240 — 260	Fine cotton yarn hosiery
28	260 — 280	Fine cotton yarn hosiery
30	300 — 320	Silk hosiery
32	320 — 352	Silk hosiery

The looper can be fitted with an automatic cutter for looper yarn which saves labour. It can also be equipped with an automatic cutter for looper waste which increases production of about 50%. Besides saving of labour, better quality products can be obtained.

The machine can be arranged for treadle drive on a sewing machine table if electric power is not available.

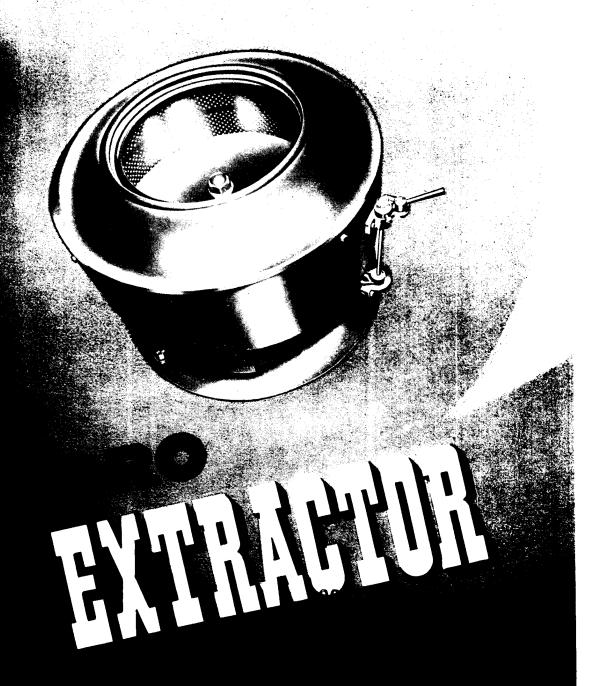
Outstanding advantages of the looper are:

OCCUPYING LITTLE SPACE, LOW POWER CONSUMPTION, SIMPLIFIED OPERATION, HIGH PRODUCTIVITY, SUPERIOR QUALITY PRODUCTS.

Drive pulley size:			•••		4" dia. 3/4" width	
Drive pulley speed:						
Power required:				•••	I/I2 HP	
					Installation floor space Working space required	2'×3' 3'×6'
Production:					For toe-looping, one worker doz. pairs heavy hosiery or 26 light hosiery; for sleeve loop	can loop 32 doz. pair:
					underwears. Production being working hours.	based on 8
Weight: Packing measurement	 :	•			26 kgs. nett, approx. 42 kgs. gro 76×48×30 cm. (0.11 cu. m.) app	ss approx.

25X1

離心力脱水機



CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.

ER-LI-KOU, HSI-CHAO, PEKING, CHINA + CABLE ADD : TRANSMACH PEXING

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25X1

離心力脫水機

HYDRO EXTRACTOR

MODEL KM 106

(甩 水 機)

The hydro-extractor is used for removing free or excessive moisture of hosiery or other knitting goods. The moisture that can be extracted is about 40 to 50%

The base, leg and housing are of gray cast iron. The central boss is a part of the casting and bored true. The spindle shaft, made of the best grade steel, runs in a combination ball and roller bearings, thus reducing friction to a minimum. The lower end of the shaft runs on a steel step bearing while its upper end carries the basket which is made of copper sheet perforated with holes through which the water flows out. A drain pipe is provided in the base.

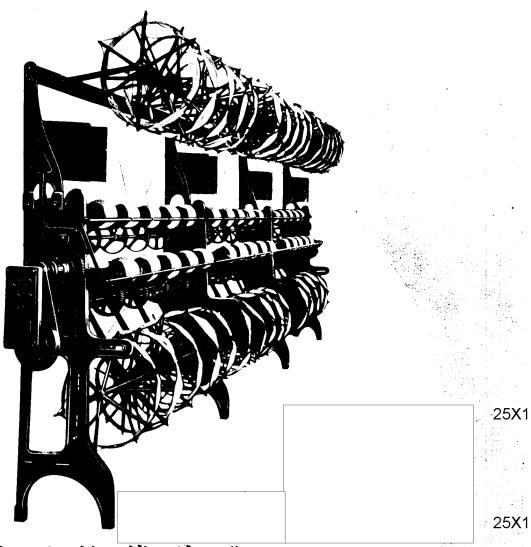
The machine is arranged for individual drive by an electric motor and V-belt, with adjustable belt tension device. A band brake is provided for stopping the rotation of the basket.

The basket holds about 100 lbs. of dry material and it takes about 3 to 10 minutes for each batch of centrifuging which depends upon the moisture content of the material being handled.

Diameter of Baske	et		•••	•••	36"
Depth of Basket					
Basket Content	•			•••	100 lbs. of dry material
Power Required					
Grooved Pulley of	Shaft:				
Pitch d	iameter	•	•••		10"
Speed					780 rpm
V-belts			•••		4 pcs. B-95
Installation Floor S	Space			•••	4'×5'
Working Space Re	quired	•••	• • • • •	•••	9'×9'
Weight:—	Net				9'×9' 2,650 lbs. approx.
					3,100 lbs. approx.
Shipping Space				•••	70 cu. ft. approx.

Bamboo Hexagon Traverse Hinder

華麗 绿 利



國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

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轆 線 機

BAMBOO HEXAGON TRAVERSE WINDER

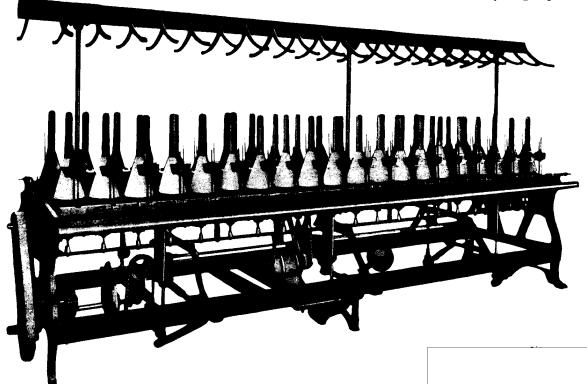
This winder is used for winding cotton yarns in hanks on to bamboo hexagons for the purpose of rewinding into cone-tubes by a cone-tube traverse winder. It is a pre-paratory machine for handling yarns in knitting mills and hosiery mills.

The winder is driven by belt pulley which transmits power to both the upper shaft and the lower shaft. The shafts drive the drums on the spindle shaft by means of friction pulleys. It is equipped with traverse motion for the yarns.

The winder is built in 64 and 80 spindles respectively, which are arranged on both sides.

Number of Spindles	•••	64	80
Spindle Speed		650 rpm	650 rpm
Power Required		2 HP	2 HP
Installation Floor Space		18"×4"	22″×4″
Working Space Required	•••	23"×9"	27"×9"
Drive Pulley, dia.×width		103"×11"	103"×11"
Drive Pulley, speed		350 rpm	350 rpm
Production	•••		rs, every 10 spindles about 7 75 kgs. 42s/2 cotton thread.
Net Weight		1210 lbs.	1670 lbs. approx.
Gross Weight		1800 lbs.	2210 lbs. approx.
Shipping Space		52 cu. ft.	65 cu. ft. approx.





25X1

中國運輸機械進口公

25X1

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

25X1

紅木錠搖紗 BOTTLE BOBBIN WINDING MACHINE

This machine is used for winding yarns in skeins or for rewinding yarns from bamboo hexagons onto bottle bobbins.

Two single rows of 20 upright spindles are arranged on each side of the frame. These spindles are driven by grooved cord pulleys mounted on a main shaft which is placed along the centre of the machine.

The traverse of the yarn is effected by cam motion which raises or lowers the traverse rail, thereby conveying the yarn to the bobbins. Other equipments include thread guide in the form of brass bowls, yarn cleaning arrangement and ryes. The bobbins may be changed without stopping the machine.

Among the main advantages of this machine are high productivity and minimum power requirement.

Production 8 hours per day is approximately as follows:-10 to 12 packages (3.75 kg.) for 32s/1 cotton up to 40 to 50 packages for 6s/I cotton.

... 40 Number of spindles

Spindle speed 800 to 1,000 rpm.

Power required I¾ HP.

Drive pulley:- Grooved for I pce. B-70 V-belt

Diameter 12-3/8"

Speed 280 to 300 rpm.

Floor space:-

... 4'0"×14'0" Installation

Working 8'0"×16'0"

Weight:-

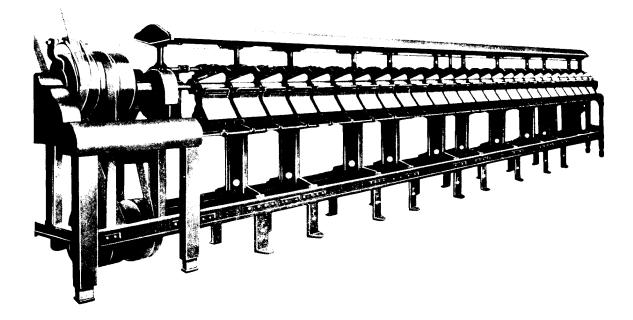
Nett 850 kg. approx.

approx. Gross

... cu. m. approx. Shipping volume

25X1

CONE-TUBE



CHINA NATIONAL TRANS

CONE-TUBE TRAVERSE WINDER

The winder is designed for rewinding yarns from bamboo hexagons onto cone-tubes for knitting purposes in hosiery or knitting mills. It is built for 40 or 60 spindles, the spindles being arranged on both sides of the frame.

Differential Motion:

The cones are rotated by frictional contact with the steel winding rolls mounted on the roll shafts (one on each side of the frame). These roll shafts are arranged with differential driving motion which gives practically a uniform speed of the yarn when winding, thus avoiding shocks and reducing the brakeage of the yarn.

Traverse Motion:

The traverse of the yarn is effected through cams. The cam-shaft which is placed along the centre of the machine drives by means of worm gearing the two traverse cams (one on each side of the frame). As the cams revolve, they impart a reciprocating motion to the traverse-bars conveying the threads from the bamboo hexagons through thread guide.

Tension and Slub - Catcher:

The winder is provided with tension device and slub-catcher which assure the production of perfectly wound cones.

Stop Motion:

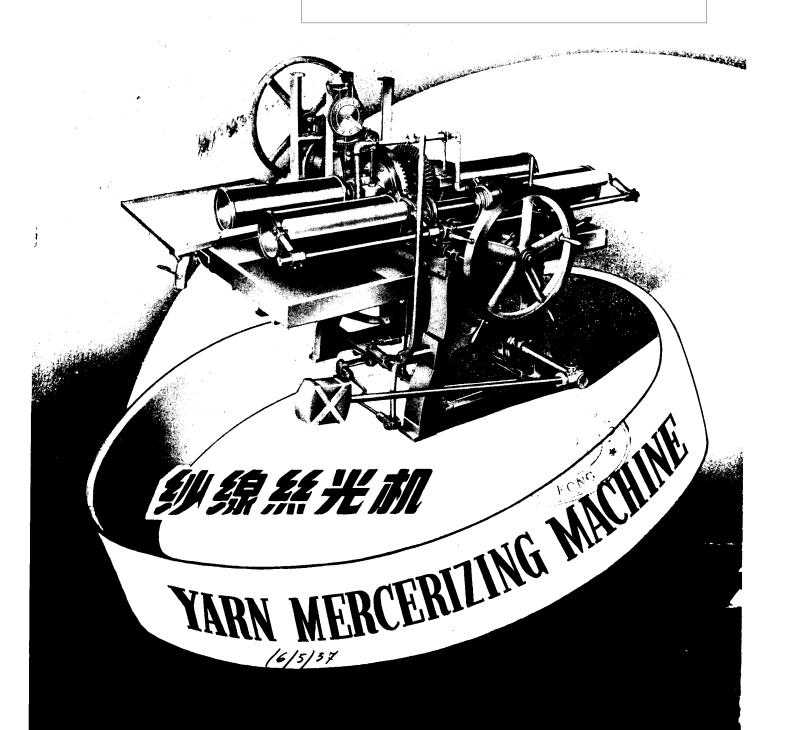
Each spindle of the winder is provided with rocker stop motion for package size. All cone yokes are supplied with latch and catch arrangement for raising the work from the roll when and basels.

Production:

For the spindles, the production based on 8-hour day is approximately as follows:

42s/2 cotton thread:	5-6 packages	of 3.75 kg.
32s/2 cotton thread:	6-8 packages	of 3.75 kg.
Number of spindles:	40	60
Spindle speed:	rpm 1700	1700
Power Required:	HP 3	5
Installation Floor Space:	ft. 20x4	27×4
Working Space:	ft. 24×8	31x8
Weight:	kg. 2000	2900
Shipping Space:	cu. ft.	

25X1



中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

Sanitized Copy Approved for Release 2010/02/24 : CIA-RDP80T00246A035700170001-7

紗 線 絲 光 機

YARN MERCERIZING MACHINE

This machine is used for mercerizing cotton yarn by caustic Iye. Besides increasing the tensile strength of the fibre, the process imparts to the yarn a beautiful lustre and makes it easy to dye. It also saves dyestuff.

The machine is fitted with two pairs of skein carrying rollers, the two rollers near the driving end of the machine are power driven by means of bevel gears while the other two rollers are not power driven but can be moved by means of a handwheel and screw so that they approach and recede from the two power driven rollers. Under each pair of rollers is a shallow trough for caustic lye, it being possible to raise or lower this trough. For each pair of rollers, a shallow tray for wash water capable of sliding between the rollers and the trough is also provided.

A rubber covered squeezing roller also extends along the length of one of each pair of skein carrying rollers, so that the skeins are subject to pressure and their impregnation with caustic lye is thereby assisted.

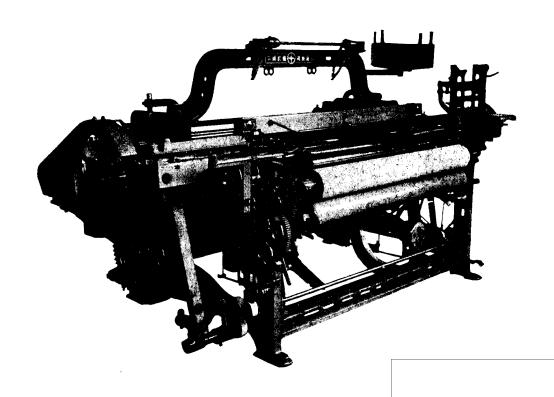
The machine can be provided with a reversing clutch which causes the power driven rollers to rotate in one direction and then in the opposite direction at regular intervals. This will improve the impregnation of the yarn with caustic lye.

The machine is driven by grooved pulley and is equipped with a motion on which disengages the power driven rollers after the yarn has rotated in the caustic lye a certain number of times as indicated by a clock dial.

Each pair of rollers can carry 6 to 7 skeins of yarns. About 50 packages of yarns of 3.75 kgs. can be mercerized in 8 hour-day. Each batch of mercerization takes about five minutes.

	Length of Rollers	,			•••				20″
	Power Required				•••	•••	•••		3 HP
	Roller Speed		•••	•••					4 to 6 rpm
	Grooved Pulley:		**						
	Pitch di	ameter	•••	•••		•••			28"
	Speed					•••			120
,	V-belts					•••	•••		2 pcs. B-90
7	Installation Floor S								
	Working Space Re	quired			•••		•••	•••	8'×9'
	Weight:	Net							2,800 lbs. approx.
		Gross	•••	•••		•••	•••	•••	3,450 lbs. approx.
	Shipping Space		•••			•••	•••	•••	85 cu. ft. approx.

1511 型 織 機 AUTOMATIC LOOM TYPE 1511



25X1

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.

25X1

SPECIFICATION:

١.	Туре	Under pick, non-stop shuttle changing
2.	Hand	Left or right hand
3.	Reed space	III7 mm. (44")
4.	Cloth width	965 mm. (38")
5.	Speed	195 picks/min.
6.	Let-off motion	positive
7.	Yarn beam	Flange Dia. 495.3 mm ($19\frac{1}{2}$ ") Maximum distance between flanges: 1117 mm
8.	Warp stop motion	Mechanical system, 4 lines of dropper bars
9.	Shedding motion \dots \dots \dots \dots	Dobby up to 16 shafts, tappet up to 5 leaves
10.	Slay motion	Radius of crank shaft—70 mm
11.	Picking motion	With weft breakage stop motion, loose reed attachment and shuttle-flying guard
12.	Shuttle changing	Magazine for 10 shuttles of 343 mm with safety device for shuttle changing, weft feeler of non-shuttle stop device and weft cutter.
		Attachment :
		Miss pick preventer if required
13.	Temples and take-up motions	Temple of wood rollers, and with cloth feeler; with intermittent taking-up motion, cloth roller for 2 pieces of cloths

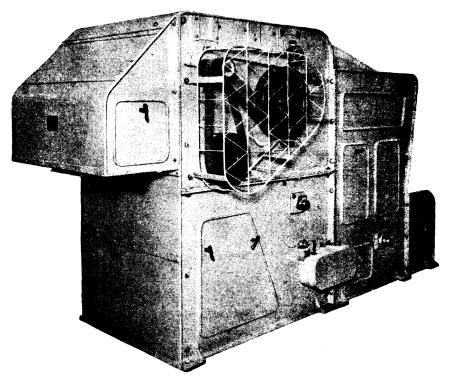
N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.



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1011 型 混 棉 給 棉 機

BLENDING HOPPER FEEDER TYPE 1011

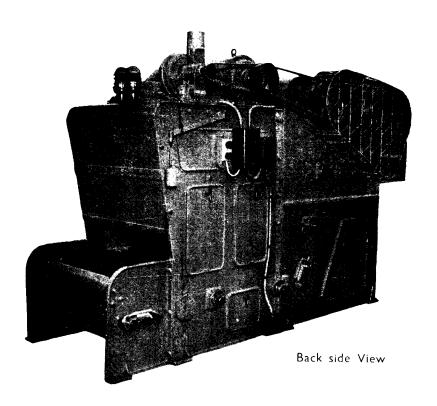


Front side View

SPECIFICATION:

١.	Max. output	320 kg/hour	
2	Working width	920 mm	
3.	Overall dimension	L. 3190 $ imes$ W. 1440 $ imes$ H. 2048 mm	
4.	Diameter of Stripping Roller	385 mm	
5.	Number of Leather flaps of stripping roller	4	
6.	Speed of Stripping Roller	425 rpm	Z5 X
7.	Centre distance of upright spiked		
	lattice	1364 mm	

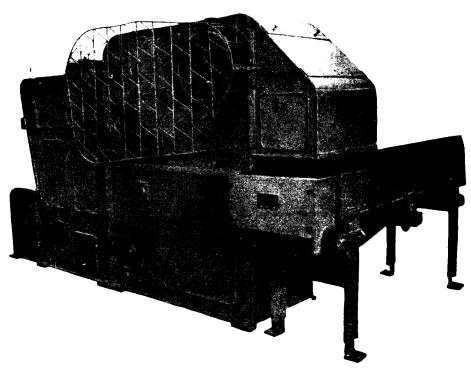
8.	Angle of inclination of upright spiked lattice	21 41′
9.	Speed of upright spiked lattice	(a) 11.7 meters min.(b) 29.5 meters min.
10.	Diameter of Evener Roller	260 mm
11.	Number of rows of teeth of Evener Roller	6
12.	Speed of Evener Roller	310 rpm
	Distance between upright spiked lattice and stripping roller	
14.	Distance between upright spiked Lattice and Evener Roller	0-37 mm
15.	Dimension of Dust Fan	
	Speed of Dust Fan	



N.B.- For improvement of the machine, we reserve the right to alter either the design or the specification.

1012A型回花給棉機

WASTE HOPPER FEEDER TYPE 1012A



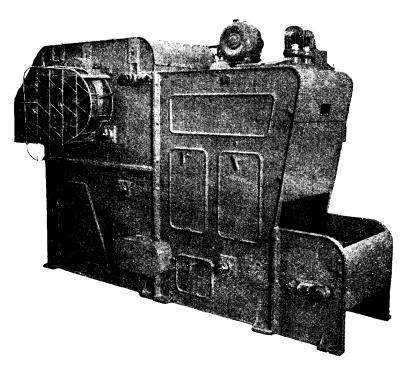
Front View

SPECIFICATION:

١.	Maximum output	80 kg hour
2.	Working width	610 mm
3.	Overall dimension	L. 3190 W. 1130 H. 1887 mm
4.	Diameter of stripping roller	385 mm
5.	Number of leather flaps of stripping roller	4
6.	Speed of stripping roller	210 rpm
7.	Centre distance of upright spiked lattice	1364 mm

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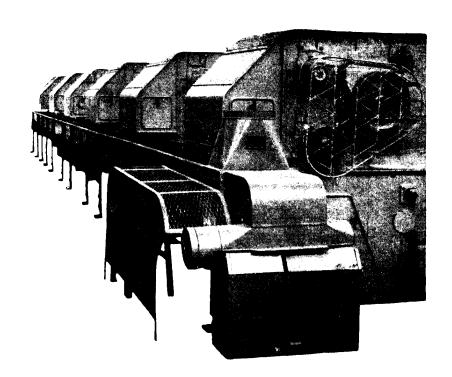
8.	Angle of inclination of upright	
	spiked lattice	21 41
9.	Speed of upright spiked lattice	7.9 metres min. 14.7 metres min.
10.	Length of Evener Rake	300 mm
П.	Oscillation of Evener Rake	110 times per min.
12.	Distance between upright spiked lattice and stripping roller	022 mm
13.	Distance between upright spiked lattice and evener rake	0—30 mm



Back View

N.B. -For improvement of the machine, we reserve the right to alter either the design or the specification.

1021型高速給棉養子 HIGH SPEED FEED LATTICE TYPE 1021

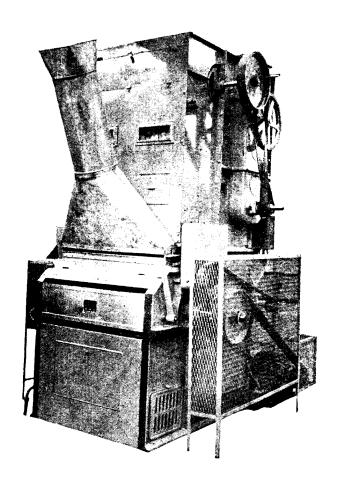


SPECIFICATION:

١.	Working width	 		420 mm
2.	Overall dimension	 •••	•••	Length 4432 · 1200 M : 1800 H. mm Width 1037 mm Height 933 to 1013 mm
3.	Length of feed lattice	 		1200 M + 1800 H + 3290 mm
4.	Speed of feed lattice	 		67 meters min.

NOTE: M -- number of frames of 1200 mm in length
H -number of frames of 1800 mm in length

1031 型 豪 猪 式 開 棉 機 PORCUPINE OPENER TYPE 1031



SPECIFICATION:

- I. Maximum output 800 kg hour
- 2. Working width 1000 mm
- 3. Overall dimension L. 2200 (including motor) \times W.2000 \times H. 2965 mm
- 4. Diameter of beater 610 mm (18 discs, 12 knives each disc)
- 5. Speed of beater 600, 650, 700 rpm
- 6. Diameter of feed roller 76 mm
- 7. Speed of feed roller 20, 25, 30, 35, 40 rpm
- 8. Number of grid bars 79 pcs.
- 9. Number of adjustable sections of

grid bars right and left hands total 16 pcs.

10. Gauge between grid bar and beater top 10-14 mm

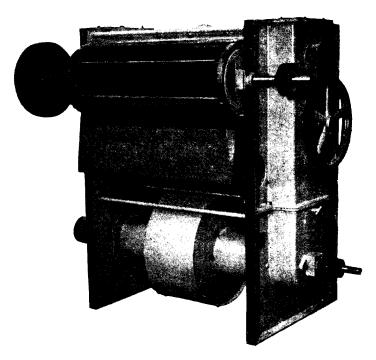
back 11.5-15.5 mm bottom 13-17 mm delivery 14.5-18.5 mm

- 11. Gauge between grid bars ... 4-7 mm
- 12. Overall dimension of reserve filling

trunk L. 1015 \ W. 1010 \ H. 535-670 mm (adjustable)

1041型1041A型高速塵荒

HIGH SPEED DUST CAGE TYPE 1041 and 1041A



Front View

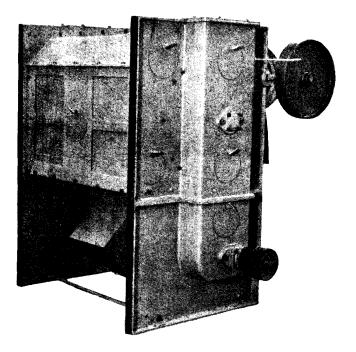
SPECIFICATION:

١.	Maximum output	800 kg hour
2.	Working width	1000 mm
3.	Overall dimension for type 1041	L. 1134 W. 1912 H. 1600 mr
4.	Overall dimension for type 1041A without fan	L. 1134 - W. 1712 - H. 940 mm
5.	Diameter of Dust Cage	560 mm

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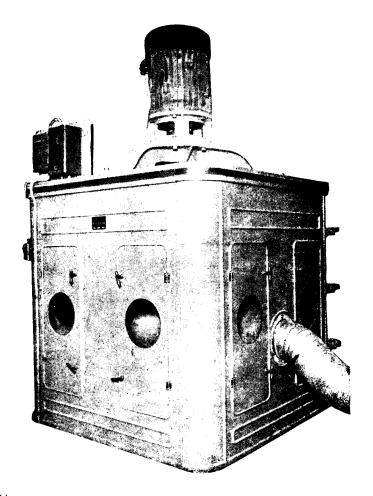
Speed of Dust Cage 100 rpm
 Diameter of Stripping Roller 360 mm
 Speed of Stripping Roller 330 rpm
 Diameter of fan 550 mm

10. Speed of fan (upon request) ... 1050; 1200; 1300; 1400; 1500 rpm



Back View

1051A型 立式 開棉機 CRIGHTON OPENER TYPE 1051A

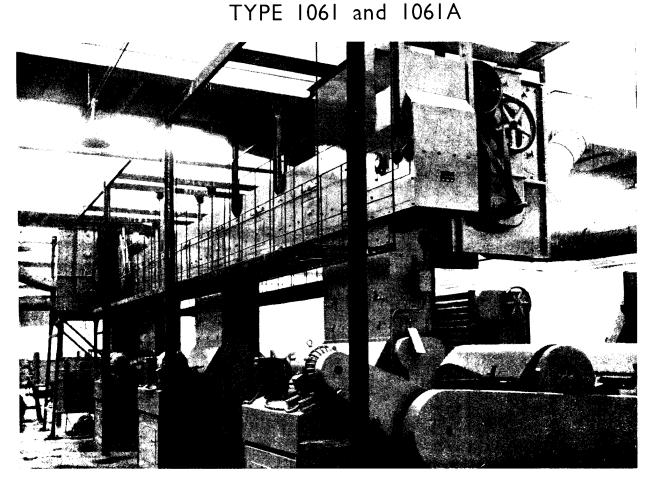


SPECIFICATION:

١.	Maximum output	800 kg, hour
2.	Overall dimension	L. $1870 \times W$. $1570 \times H$. 2015 mm
3.	Number of beater discs	6 pcs.
4.	Total number of knives carried on	
	discs	34 pcs.
5.	Speed of beater	580; 725 rpm
6.	Number of grid bars	120 pcs.
7.	Gauge between grid bars	3-6.5 mm
8.	Internal diameter of Feed Pipe	230 mm
	Internal diameter of Delivery Pipe	

1061型及1061A型配棉器

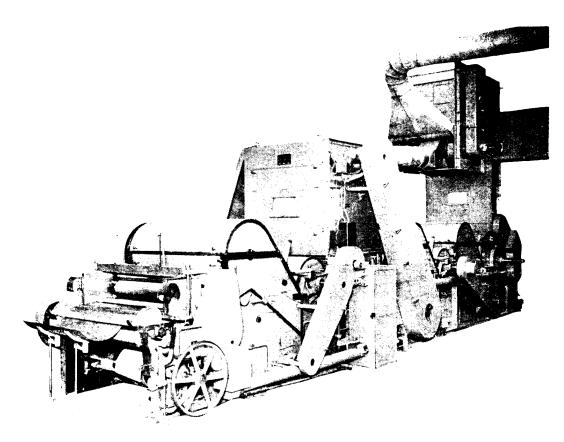
DISTRIBUTING MACHINE



SPECIFICATION:

1.	Maximum output			800 kg hour
	Working width			
3.	Overall dimension			Length center distance between first and
				last delivery openings 4 4025 mm
				Width — 935 mm
				Height — 3906 mm
				Height — 3615 mm (for type 1061A)
4.	Distance between	adjacent	: delivery	
				3,000-4,000 mm (to the nearest 100 mm)
5.	Speed of Rake Lat			

1071型 1071A型 単程清棉機 DOUBLE BEATER SCUTCHER TYPE 1071 and 1071A



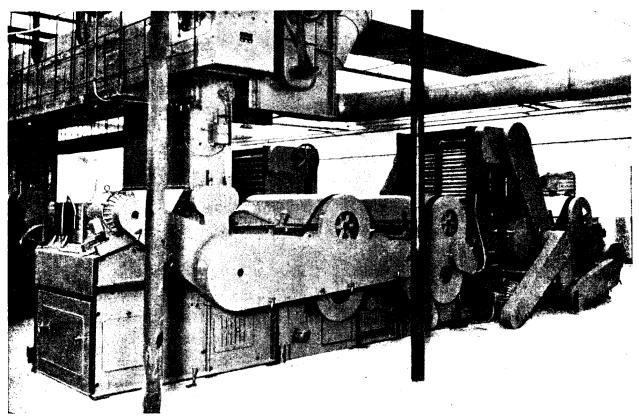
Front View

SPECIFICATION:

١.	Max. output	180 kg hour
2.	Calculated length of lap	35.21—43.35 metres
3.	Working width	Type 1071: 1016 mm
		Type 1071A: 960 mm
4.	Overall dimension	L. 8713 $ imes$ W. 2130 $ imes$ H. 2515 mm
5.	Reserve filling trunk	
	(over Porcupine Beater)	
	Height	985 mm
	Breadth	1060 mm
	Thickness	310—410 mm
6.	Reserve filling trunk	
	(over combing beater)	
	Height	600 mm
	Breadth	1060 mm
	Thickness	275—350 mm
7.	Diameter of Porcupine Beater	610 mm
		(19 discs—12 knives each disc)
8.	Speed of Porcupine Beater	470—600 rpm
9.	Diameter of Three Bladed Beater	406 mm
10.	Speed of Three Bladed Beater	800—1200 rpm
11.	Diameter of Combing Beater	406 mm
12.	Speed of Combing Beater	800—1200 rpm
13.	Diameter of Striker Roller	350 mm
14.	Speed of Striker Roller	260 rpm
15.	Dimension of fan	ϕ 455 mm $ imes$ 430 mm
16.	Speed of Fan	900—1200 rpm
17.	Diameter of Dust cage	558 mm
18.	Diameter of Lap Roller	230 mm
19.	Speed of Lap Roller	8—12 rpm
20.	Gauge between Porcupine Beater	
	and Grid Bars	Top 10—14 mm
		Back 11.5—15.5 mm
		Bottom 13—17 mm
		Delivery 14.5—18.5 mm

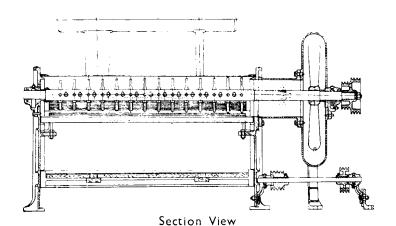
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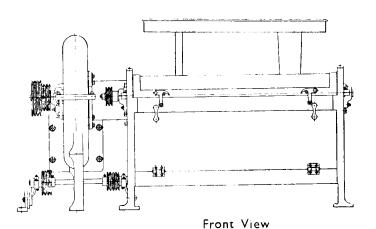
21. Gauge of grid Bars of Porcupine
Beater 4—7 mm
22. Gauge between Grid Bar and
Three Bladed Beater and also
combing beater minimum at feed side 7 mm
minimum at delivery side 19 mm
23. Gauge of Grid Bars of Three Bladed
Beater and Combing Beater ... 3—7.5 mm

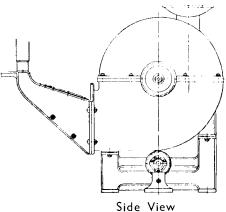


Back View

1111型 皮 輥 花 機 THREAD EXTRACTOR TYPE IIII



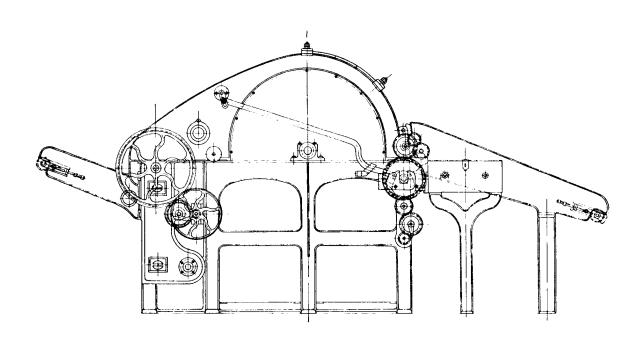




SPECIFICATION:

1121型 打垃圾機

WILLOW TYPE 1121

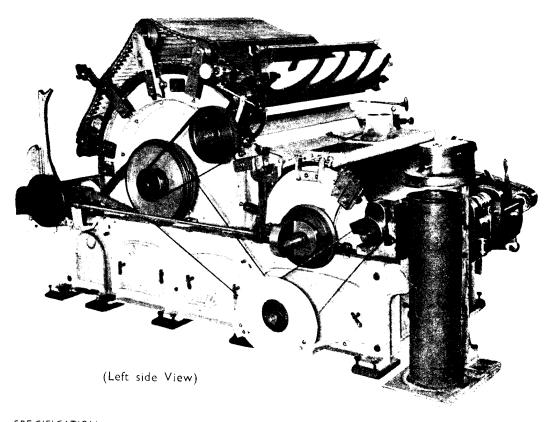


SPECIFICATION:

١.	Working width	65 "
2.	Overall dimension	L. $168\frac{5}{16}$ $^{\prime\prime}$ $^{\prime\prime}$ $^{\prime\prime}$ W. $82\frac{7}{8}$ $^{\prime\prime}$ (without motor) $^{\prime\prime}$ $^{\prime\prime}$ H.
		157 <u>1</u> "
3.	Speed of feed lattice	31 ft. min.
4.	Diameter of Cylinder	51 "
5.	Speed of Cylinder	330 rpm
6.	Dimension of fan	15" dia. · 10§"
7.	Speed of fan	1237 rpm
8.	Diameter of dust cage	15 ″
9.	Speed of dust cage	8 rpm
10.	Speed of delivery lattice	25.1 ft. min.
11.	Drive	by individual electric motor with V-belts

1181 型 梳 棉 機

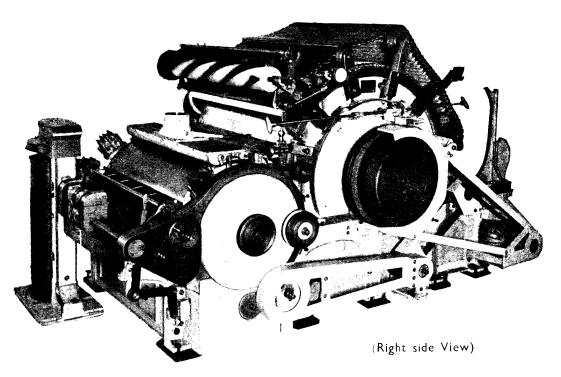
REVOLVING FLAT CARDING ENGINE TYPE 1181



SPECIFICATION:

1.	Туре	R. hand (facing doffer, find driving pulley at right hand side)
2.	Working width of machine	40 "
3.	Draft range	93-129 times
4.	Floor space	67" - 130½"
5.	Drive	Individual motor, with flat belt
6.	Diameter of Lap roller	6 "
7.	Diameter of feed-roller	2¦ ″
8.	Diameter of Licker-in	91 "

9.	Licker-in grooves	8 grooves per inch and 8 starts at end
10.	Licker-in speed	550 rpm
11.	Mote knife	l piece
12.	Diameter of cylinder	50″
13.	Speed of cylinder	172 rpm
14.	Number of flats	106 pcs.
15.	Number of working flats	41 pcs.
16.	Flat speed	2″ per minute
17.	Diameter of doffer	27 ″
18.	Doffer speed	8.3-12 rpm
19.	System of stripping	Hand stripping (type II8IB) Low vacuum stripping (type II8IC)

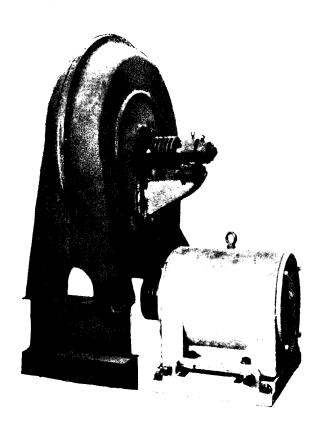


N.B. For improvement of the machine, we reserve the right to alter either the design or the specification.

梳棉機附屬機器 AUXILIARY MACHINES FOR CARDING ENGINE

7201型排氣風扇

(I) EXHAUST FAN TYPE 7201

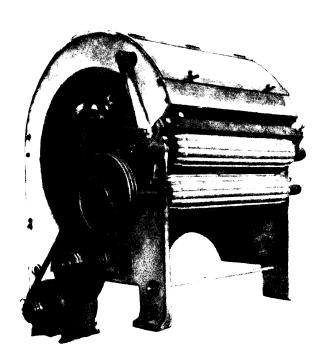


SPECIFICATION:

- Capacity
 Static pressure 3. Dimension L. 48" W. 35\[\frac{3}{4}" H. 49\[\frac{8}{8}" \]
 4. Diameter of fan propeller 26" 5. Width of fan propeller blade 83 "
 6. Speed of fan propeller 1700 rpm to 2000 rpm
 7. Drive By electric motor 14 KW. 1440 rpm (5 pcs.
- V-belt B55).

1042型集棉塵籠

(II) CONDENSER TYPE 1042



SPECIFICATION:

١.	Working width of condenser	• • •	32 "
2.	Diameter of Cage	•••	25¾ ″
3.	Cage speed		2.9 rpm
4.	Drive	•••	Individual drive totally enclosed squirrel cage motor, 480 rpm, 4 pcs. A 51 V-belts
5.	Overall dimension		62 " + 483 " + 491 "

1651 型 抄 鋼 絲 輥

(III) STRIPPING ROLLER TYPE 1651



(A) Application:

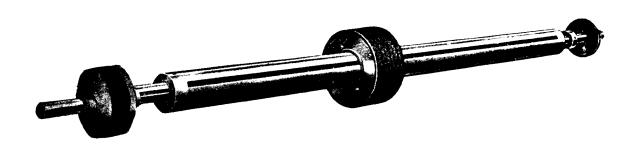
To strip off the cotton dust from cylinder and doffer card clothing (when this roller is covered with burnishing fillet then it becomes a burnishing roller).

(B) Specification:

1.	Suitable for card width		40 ″
2.	Diameter of Roller		$5\frac{1}{2}$ " (without fillet)
3.	Length of Roller		411"
4.	Diameter of shaft	• • •	11 "
5.	Length of shaft		711 "
6.	Drive		By cylinder rope pulley or stripping attachment
7.	Pitch diameter of rope pulley		6″
8.	Speed		465 rpm

1671 型 來 回 磨 輥

(IV) TRAVERSE WHEEL GRINDER TYPE 1671

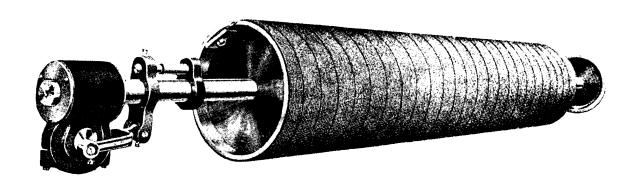


Specification:

1.	Suitable for card width	 40 ″
2.	Diameter of Wheel	 $6^{\frac{11}{3}}$ (without emery fillet)
3.	Thickness of Wheel	 3 ½ "
4.	Diameter of shaft	 1 "
5.	Length of shaft	 67 ″
6.	Traverse distance	 42 %."
7.	Drive	 By cylinder rope pulley
8.	Pitch diameter of rope pulley	 4½ " & 5" each one piece
9.	Speed	 500—550 rpm
10.	Traverse motion	 By reversible leading screw & internal gear speed reducer.

1681 型 長 磨 輥

(V) FULL GRINDING ROLLER TYPE 1681

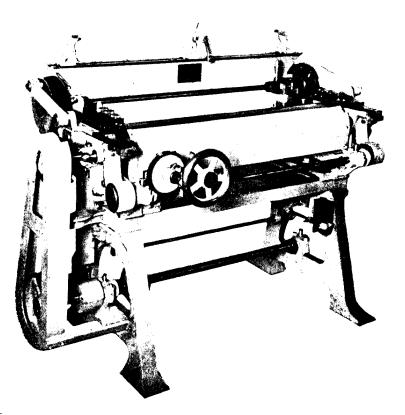


Specification:

Ι.	Suitable for card width	40 ″
2.	Diameter of Roller	$6\frac{17}{16}$ " (without emery fillet)
3.	Length of Roller on barrel	41 "
4.	Diameter of shaft	1 1 "
5.	Total length of shaft	65 ″
6.	Traverse motion by eccentric wheel.	
7.	Traverse distance	5 " 8
8.	Drive	By cylinder rope pulley
9.	Pitch diameter of rope pulley	6"
10.	Speed	510 rpm

1691型磨蓋板針布機

(VI) FLAT SURFACE GRINDING MACHINE TYPE 1691

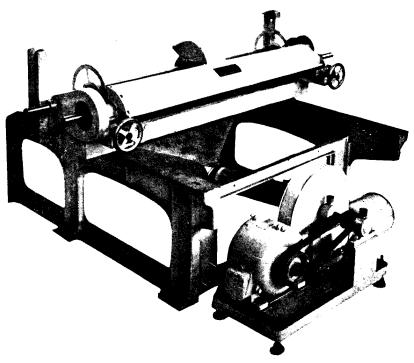


Specification:

1.	Suitable for card width	40 ″
2.	Flat end to end tolerance	0.035 "
3.	Number of flat to be ground each	
	time	3 pcs.
4.	Overall dimension	
	Drive	
6.	Pitch diameter of driving belt pulley	5%"
7.	Speed of main shaft	600 rpm
8.	Diameter of Grinding roller	7 ⁷ / ₈ (bare roller)
9.	Length of grinding roller	42"
10.	Grinding traverse motion by eccent	ric wheel
11.	Traverse distance of grinding roller	5 ″ 8
12.	Speed	1200 rpm
		automatically stops when grinding is com-
		pleted
14.	Inspecting apparatus	Indicator for indication of needle height

1701型磨錫林道夫滾筒機

(VII) CYLINDER AND DOFFER GRINDING MACHINE TYPE 1701



SPECIFICATION:

A. Grinding parts

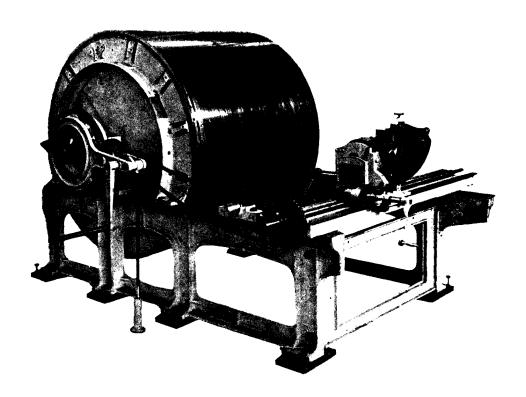
2.	Suitable for card width Overall dimension Speed of grinding wheel Traverse distance of grind-	L. 72½" W. 18%" H. 15"
	ing wheel	421 "
5.	Drive	By cylinder through flat belt

B. Dust extraction Unit

1.	Vent inlet 3) " · .	$1rac{3}{8}$ " traverse with grinding wheel
2.	Diameter of extraction pipe 4	⊦ <i>"</i>	
3.	Diameter of fan I	3 "	
4.	Width of fan blade I	3 "	
5.	Dust condenser 8	3″ .	11" inside lined with 5 layers of steel
	S	screen	is.
6.	Fan driven by individual moto	r	
7.	Fan speed	1830	rpm

1711型包錫林道夫針布機

(VIII) CARD MOUNTING MACHINE TYPE 1711

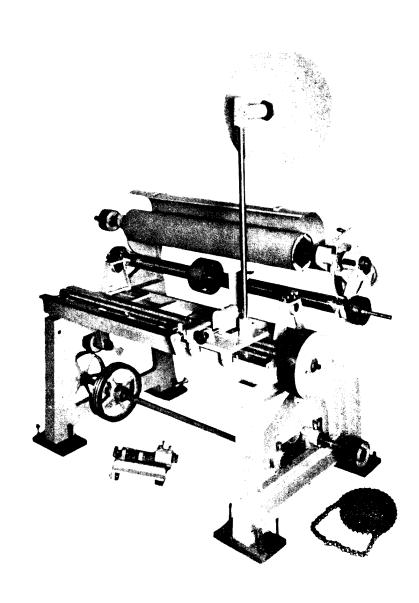


SPECIFICATION:

		
١.	Suitable for card width	 40 ″
2.	Overall dimension	 L. 83 ³ " (total length)
		W. $19\frac{1}{2}$ (Tensile section)
		H. $19\frac{1}{2}$ (Tensile section)
3.	Diameter of leading screw	 1 1 "
4.	Length of leading screw	 67 "
5.	Thread pitch of leading screw	 1 " (i. e. 4 threads per inch)
6.	Maximum tensile strength	 500 lbs.
7.	Drive	 Hand operating
8.	Length of table	 564 "

1731 型 剌 輥 包 磨 機

(IX) LICKER-IN ROLLER, GRINDING, DRESSING,
RECOVERING AND BURNISHING MACHINE
TYPE 1731



١.	Suitable for card width	40 ″
2.	Overall dimension	L. 65%" > W. 41½" × H. 56%"
3.	Pitch diameter of belt pulley	11%"
4.	Speed of main shaft	300 rpm
5.	Speed of Licker-in Roller (Burnishing and grinding)	32.8 rpm
6.	Speed of Licker-in Roller (mounting and straightening)	8.2 rpm
7.	Diameter of Traverse grinding Roller	6½″ (Bare Roller)
8.	Traverse distance	42¾"
9.	Speed of Traverse grinding Roller	695 rpm
10.	Diameter of Burnishing Roller	$6\frac{1}{2}$ " (Bare Roller)
11.	Traverse distance of Burnishing Roller	5 "
12.	Speed of Burnishing Roller	695 rpm
13.	Straightener	With 8 blades (angles to be self-adjustable)
14.	Table length of Licker-in wire mounting attachment	54"
15.	Diameter of leading screw	11"
16.	Thread pitch of leading screw	$\frac{1}{4}$ " (i. e. 4 threads per inch)

1722 型 包 蓋 板 針 布 機 (X) FLAT CLIPPING MACHINE TYPE 1722

SPECIFICATION:

40" I. Suitable for card width 2. Number of pieces clipped in one operation | piece L. 2025 \ W. 1290 \ H. 1450 3. Overall dimension 4. Drive By individual motor 5. Clamping operation Hand operated 6. Drive of traversing head Mechanically operated with friction clutch and automatic stop motion 7. Pitch diameter of main stop pulley 440 mm. 8. Speed of main shaft 207 rpm. 9. Width of pressure blade 127 mm.

10. Number of pressure blades11. Source of pressure on pressure blades12. By weight with buffer spring

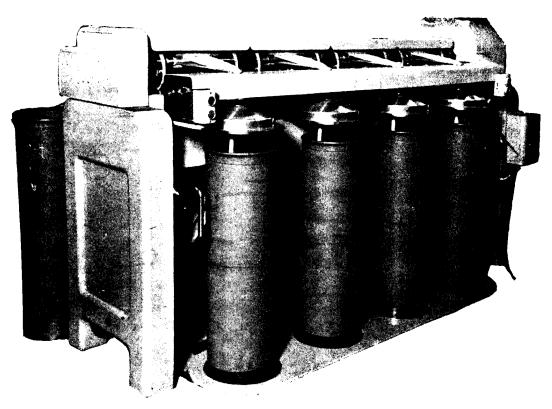
12. Weight 9 kg. each

13. Number of weights

32 on both sides (2 for each pressure blade)

1242 型 併 條 機

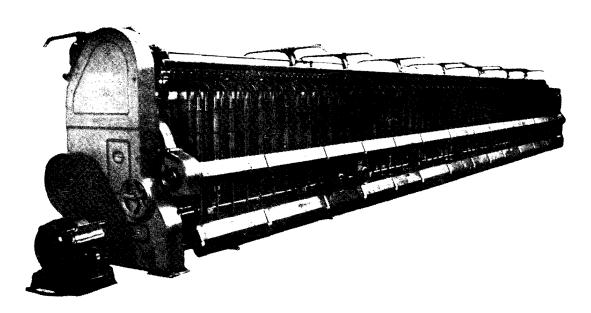
DRAWING FRAME TYPE 1242



SPECIFICATION:

	Number of deliveries				
	Staff				
3.	Slivers per delivery				6
4.	Roller diameter				Type 1242A: 35—28—35—35 mm
					Type 1242B: 28—25—28—28 mm
5.	Speed of front roller				298—381 rpm
6.	Draft				5.5—6.346 times
7.	Drive				individual motor, front roller driven by
					flat belt
					3, 4 h.p., 960 rpm
8.	Control				by push button switch
9.	Automatic stop motio	n			electric system
	Sliver can				
11.	Floor space (including	sliv	er ca	ans)	3 deliveries, 1,850 - 1,625 mm
	, ,			ĺ	4 deliveries, 2,300 1,625 mm

1251 型 單 程 二 道 粗 紗 機 SIMPLEX INTERMEDIATE FLY FRAME TYPE 1251A

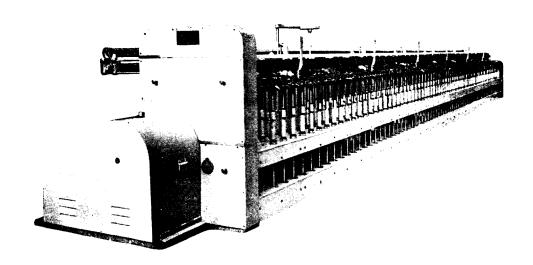


SPECIFICATION:

١.	Number of spindles per frame	 124, 130 spindles
2.	Spindle gauge	 6.6 "
3.	Number of spindles per box	 6
4.	Counts of roving spun	 2-4 counts (metric counts)
5.	Size of full bobbin	 <i>ϕ</i> 4 ⁷ / ₈ " > 10"
6.	Spindle speed	 600, 670, 700, 725, 750 rpm
	System of draft	
8.	Roller diameter	 $\frac{1}{12}$ ", $\frac{7}{8}$ ", $\frac{1}{12}$ ", $\frac{1}{12}$ "
9.	Diameter of bare top roller	 13/ " /16
10.	Draft	 7.5-10 times
11.	Drive	 Individual motor, 4 H.P., 960 rpm. with V-belts
12.	Height of roller beam	 42 "
13.	Size of sliver can	 10" . 36"
	Floor space	

1252型(1252A型) 單程三道粗紗機

HIGH DRAFT ROVING FRAME TYPE 1252 (1252A)

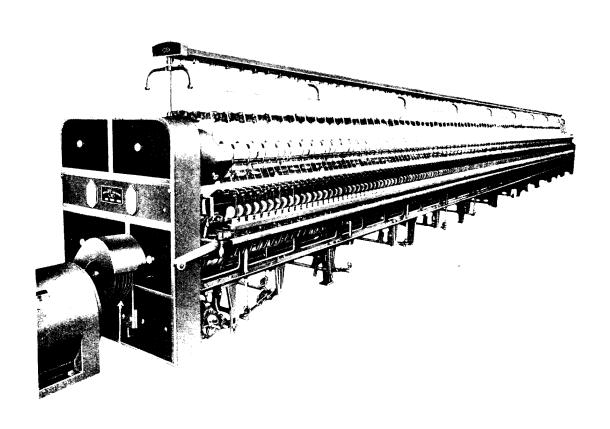


SPECIFICATION:

1.	Number of spindles per frame	 144
2.	Spindle gauge	 152 mm
3.	Number of spindles per box	 6
4.	Suitable for cotton staple	 24-34 mm
5.	Counts of roving spun	 4.5-10 counts
6	Size of full habbin	 ∂92 mm = 198 mm
7	Spindle speed	 950, 1000, 1050, 1100, 1150, 1200 rpm
8.	Drafting arrangement	 Five roller 2-zone draiting system, (101 type
		1252A, four roller 2-zone)
9.	Roller diameter	 28, 22, 25, 25, 28 mm (for type 1252A, 32,
		28, 32, 32 mm)
10.	Diameter of Bare Top Roller	 22 mm (For type 1252A, 25 mm)
H.	Draft	II-30 times
12.	Sliver rollers	 two rows of sliver rollers, with telescopic
		adjustment.
13.	Drive	 Individual motor, 5 H.P., 960 rpm. with
		V-belts
14.	Height of roller beam	 900 mm
15.	Size of sliver can	 254 mm - 914 mm
16.	Floor space (incl. sliver cans)	 1914 - 12083 mm
17.	Type	 Left or right hand

1291型 經 紗 機及1301型 緯 紗 機

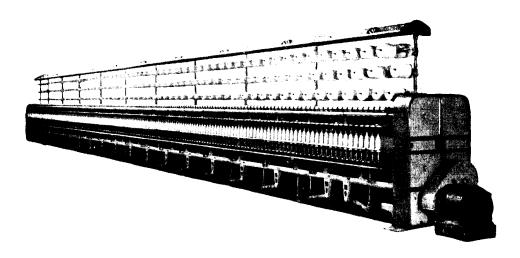
WARP SPINNING FRAME TYPE 1291 WEFT SPINNING FRAME TYPE 1301



1.	Number of spindles	400 spindles for warp frame 420 spindles for weft frame
2.	Spindle gauge	$2\frac{5}{8}$ " for warp frame $2\frac{1}{2}$ " for weft frame
3.	Number of spindles per box	8 spindles (6 spindles per last 3 boxes for weft frame)
4.	Counts of yarn spun	20-42 (English system) 34-71 (metric system)
5.	Spindle speed	10000-13000
6.	Drafting arrangement	double apron high drafting system, 14-20 times
7.	Roller diameter	? "
8.	Lift	6.
9.	Ring diameter	$\begin{bmatrix} \frac{1}{2} \%, & \frac{1}{8} \% \end{bmatrix}$ for warp $\begin{bmatrix} \frac{3}{8} \% \end{bmatrix}$ for weft
10.	Broken thread aspirator	Suction fan driven by tin roller, air exhausted through main duct
11.	Drive	by individual pipe ventilated motor, 8/12 H.P., 960, 1440 rpm with V-belts
12.	Floor space	49'1" \ 3'3"

1391型 撚 線 機

TWISTING FRAME TYPE 1391

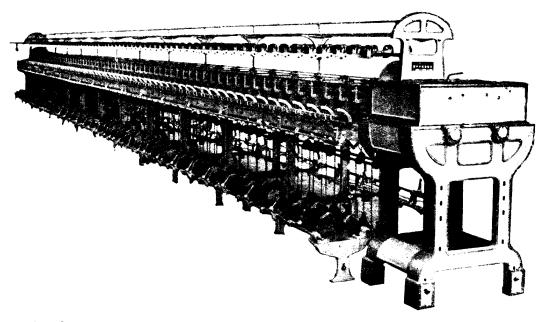


SPECIFICATION:

1.	Number of spindles				380, 360, 340, 320, 300
2.	Spindle gauge				
3.	Number of spindles per				
4.	Dry or wet twisting				wet twisting
5.	Twist counts				
6.	Lift				
7.	Traverse	•••	•••	• • •	semi-cylindrical winding 125 mm cop-winding 55 mm
8.	Building speed ratio				semi-cylindrical winding 1:1 cop-winding 3:1
9.	Spindle speed				
10.	Spindle wharve diamete				
11.	Tin roller diameter				
12.	Type of ring				flat, inner dia. 50 mm
13.	Roller diameter				
14.					triple diagonal, flat cone, maximum dia. 160 mm
15.	Drive				individual motor, 10 h.p., 1440 rpm, with V-belts.
16.	Height from floor to ro	ller	beam		865 mm
17.	Total height				
18.					

1382 型 併 紗 機

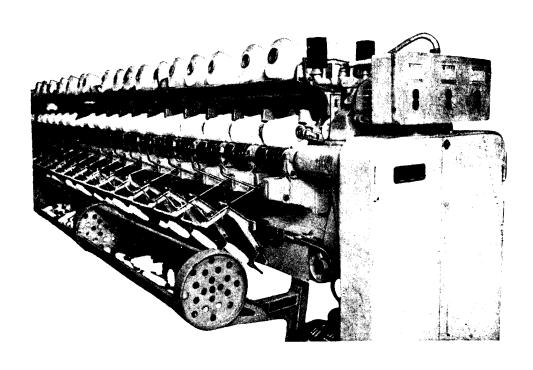
DOUBLING WINDER TYPE 1382



I. Specification :—

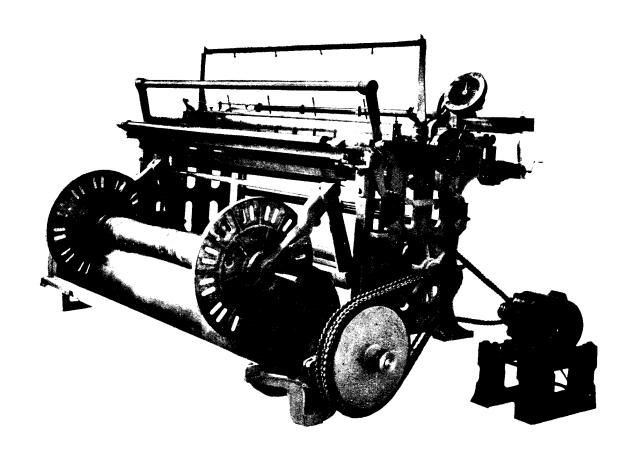
Type	Quick traverse motion
Number of drums per machine	120
'	140
	160
Number of ends	2
Surface speed of drums	120 metres min. (402 rpm.)
Distance between drums' centres	177.8 mm.
Size of drums	ბ 95.2 mm → L. 139.7 mm
Size of cheese	ბ 165 mm → L. 130 mm
Shape of bobbin	Straight type
Drive	Drum shaft driven by individual motor and
	V-belts
Builder	One on each side, traverse 130.2 mm., driver
	by drum shafts through differential gears.
Pitch diameter of drum shaft pulley	<i>&</i> 342.9 mm
Automatic stop motion	Drop needle type, individual brake motion
'	for each drum.
	Speed of guide roller shaft 190 rpm.
Cone bobbin peg	Two for each bobbin, and with adjustable
	creel.
Machine height	(a) up to drum centre line 981 mm.
O	(b) total height 1435 mm.

I332型槽筒式絡筒機 HIGH-SPEED CONE WINDER TYPE 1332



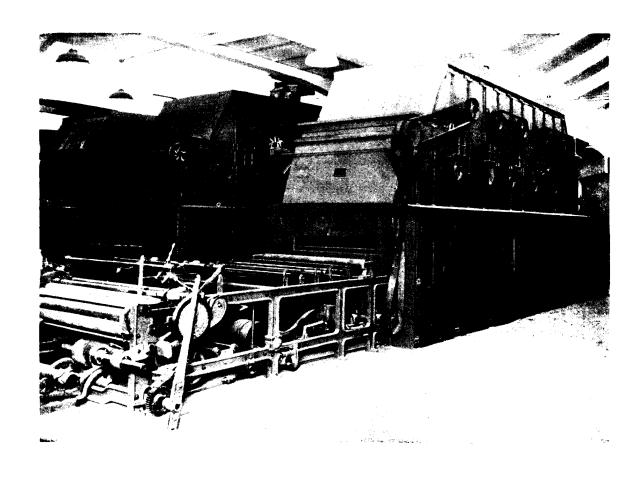
١.	Туре	Grooved drum type
2.	Number of spindles per machine	60, 80, 100 or 120 (The standard type is of 100 spindles. The following notes, if not indicated clearly, refer to the 100-spindle type)
3.	Winding gauge	152 mm
4.	Drum diameter	76.5 mm
	Speed of drum	
	Material of drum	Made of bakelite. Type A (for winding cotton yarn only)
5.	Winding Speed	690 meters min. (max. speed)
6.	Size of full package	Cone Bobbin: Inclination angle, 6° Base of cone 200 mm ϕ , 152 mm long (largest base of cone may reach 220 mm ϕ)
7.	Drive	Drums on each side are driven by an individual motor with V-belts (i.e. by main drive motor). Controlling mechanism is driven by an individual motor and gears (i.e. by Pilot Motor)
8.	Bobbin holder	For yarn bobbins of Warp Spinning Frame Type 1291 or thread bobbins of Twisting Frame Type 1391.

I452型整經機 WARPING MACHINE TYPE 1452



١.	Roller diameter length	508.5 mm. 1378 mm.
2.	Speed of winding yarn	300, 320 meters minute
3.	Number of ends Suitable for bobbin creel type 1461, Maximum	510 ends.
4.	Drive	Friction disc type
5.	Brake attachment	Brake lining
6.	Height	1057.5 mm
7.	Back reed	Top shedding motion with adjustable gauge between the reed wires.
8.	Front reed	Expandable
9.	Put-on and take-off attachment	
	of warp beam	Hand operating, worm wheel type.
10.	of warp beam	Hand operating, worm wheel type. Weights: one at right side and one at left side (each piece 18 kg.)
	•	Weights: one at right side and one at left
	Warp beam weighting attachment	Weights: one at right side and one at left side (each piece 18 kg.)

| 1491 型 漿 紗 機 | SIZING MACHINE | TYPE | 1491



١.	Type	hot air
2.	Creel	inclined in row for 9 or 6 beams.
3.	Speed of sizing	
	High speed	20.5—32 meters min. pitch diameter of motor pulley 195.58 mm.
		24.5—35.5 meters min. pitch diameter of motor pulley 220.98 mm
	Low speed	1.9 or 2.2 meters min. pitch diameter of motor pulley 195.58
		2.1 or 2.5 meters min. pitch diameter of motor pulley 220.98 mm
4.	Drive	
	High speed	driven by cone, individual motor with V-belt adjusted by hand wheel
	Low speed	driven by rope pulley
	Winding on motion	driven by friction pulley
	Exhaust fan	individual motor with V-belt
5.	Inner width of Weaver's Beam	
	insertable	Max. 1143 mm
6.	Inner diameter of Beaming Shell	
	of Beam Shaft	114.3 mm
7.	Diameter of Draw Roller	228.6 mm
8.	Expansion Comb \dots \dots \dots	adjust ab le
9.	Measuring Device	
	Diameter of measuring roller	114.59 mm
	· ·	Hitchon's type
	One revolution of pointer repre-	2.5 meters
10.	Stamping Device	
11.	Material of drying chamber	Inner wall: 21 gauge sheet iron Outside wall: red pine with heat insulating material between
	Radiation piping	3" B. l. Pipe with fins of \$152.4 mm installed in four layers totalling 118 pcs., complete with steam hop for starting, and reducing valve for stopping.
	Diameter of cooling fan	924 mm. in 11 stages.

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12. Sizing Trough Double Squeezing Roller type, Size: 1251mm

1683mm with copper lining

Diameter of Squeezing Roller ... 152.4 mm

Weight of Squeezing Roller ... Approx. 136 kg. each

Diameter of copper sizing roller 228.6 mm Diameter of Immersion roller ... 225.8 mm

13. Circulation Pump gear type, driven by side shaft.

14. Boiling Pan approx. capacity 105 litres copper-lined.

15. Floor space

For Beam Flange \dots \dots 0.710 mm warping machine type 1452

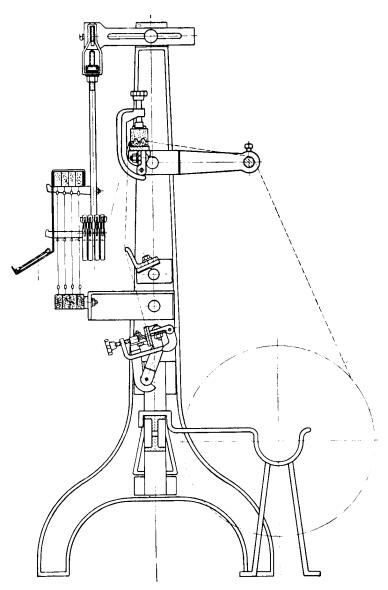
9 Beam Sizing machine 21.6 · 2.8 meters 6 Beam Sizing machine 19.4 × 2.8 meters

16. Height

(I) Up to top of Drying Chamber 3844 mm

(2) Up to top of exhaust fan 4488 mm

1501型單人穿筘架 DRAWING-IN FRAME TYPE 1501



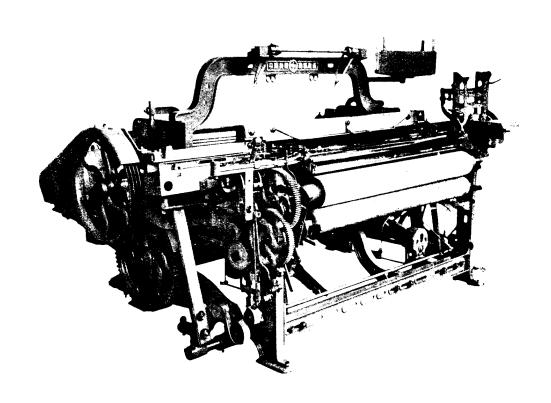
Side View of Drawing-in Frame Type 1501

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Specification:

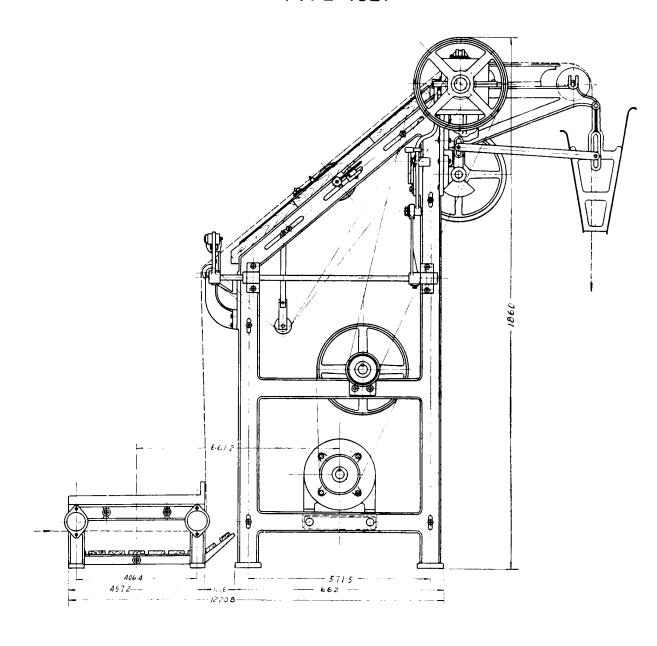
١.	Туре	Single operater type
2.	Maximum width allowance of warp	1320 mm.
3.	Maximum diameter allowance of Weaver's Beam	600 mm.
4.	Maximum diameter allowance of Weaver's Beam shaft sleeves	III mm.
5.	Number of harness that can be hung	4 pcs. (Max. thickness 19 mm per piece)
6.	Number of rows of droppers	4 rows
7.	Maximum height allowance of reed	II8 mm.
8.	Reacher-in attachment	This attachment is not provided and cannot be installed on the machine
9.	Machine height	1460 mm.

I5II型 織 機 AUTOMATIC LOOM TYPE I5II



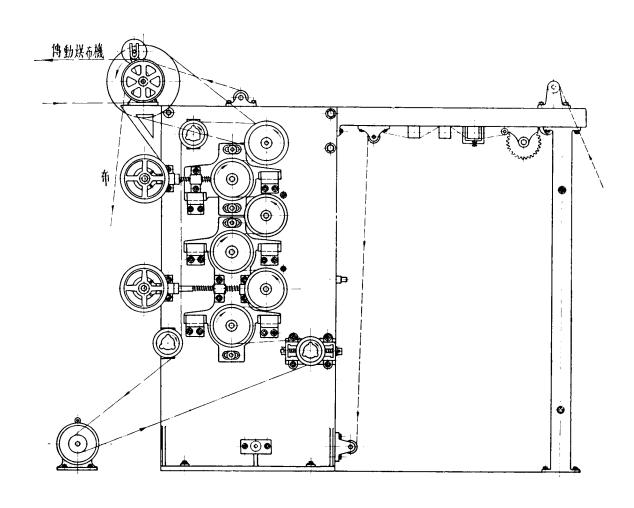
1.	Type	. Under pick, non-stop shuttle changing
2.	Hand	Left or right hand
3.	Reed space	. III7 mm. (44")
4.	Cloth width	965 mm. (38")
5.	Speed	195 picks min.
6.	Let-off motion	positive
7.	Yarn beam	Flange Dia. 495.3 mm $(19\frac{1}{2})$ Maximum distance between flanges: 1117 mm
8.	Warp stop motion	Mechanical system, 4 lines of dropper bars
9.	Shedding motion	Dobby up to 16 shafts, tappet up to 5 leaves
10.	Slay motion	Radius of crank shaft—70 mm
11.	Picking motion	With weft breakage stop motion, loose reed attachment and shuttle-flying guard
12.	Shuttle changing	Magazine for 10 shuttles of 343 mm with safety device for shuttle changing, weft feeler of non-shuttle stop device and weft cutter.
		Attachment:
		Miss pick preventer if required
13.	Temples and take-up motions	. Temple of wood rollers, and with cloth feeler; with intermittent taking-up motion, cloth roller for 2 pieces of cloths

1521 型 驗 布 機 CLOTH INSPECTING TABLE TYPE 1521

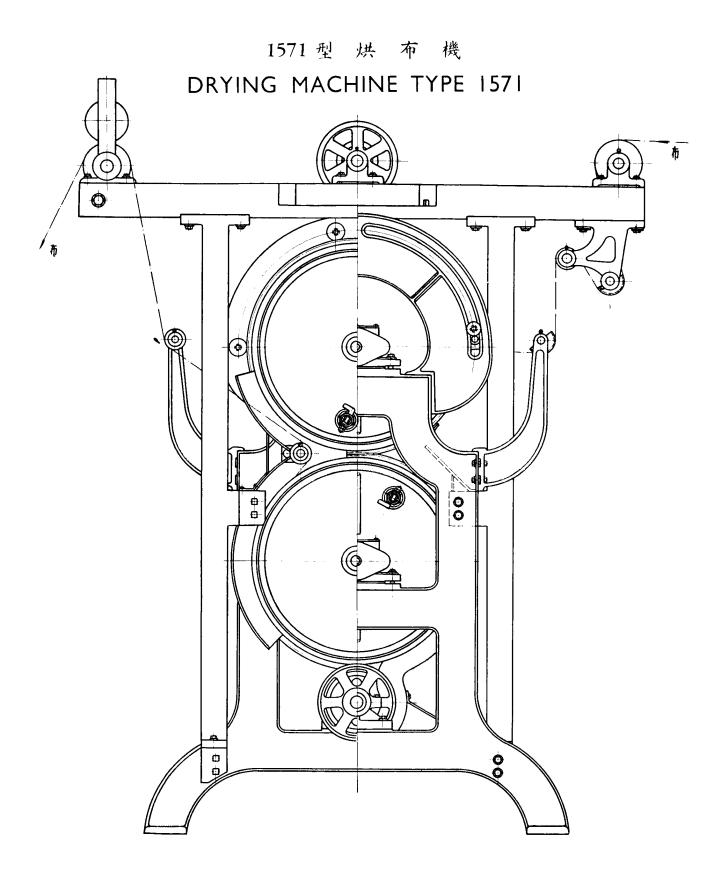


١.	Type	45" inclined table
2.	Working width	Max. 1060 mm
3.	Rate of inspection	20 meters min. to 25 meters min.
4.	Height	1860 mm
5.	Drive	The wooden roller of the main shaft is individually driven by an electric motor. The pressure of the hard rubber roller on the wooden roller moves the cloth forward and backward.
6.	Control	The main shaft is furnished by a gear box controlled by a hand lever on the machine, facilitating forward, backward motion and stop.
7.	Working surface of table	1490 > 910 mm. On the top of the table there are a white-frosted glass plate and a black one. The table is provided with a measuring ruler of I meter in length.
8.	Length measuring unit	The measuring unit is furnished with a measuring wheel, each revolution of pointer indicates 40 meters.

1531 型 刷 布 機 BRUSHING MACHINE TYPE | 153|

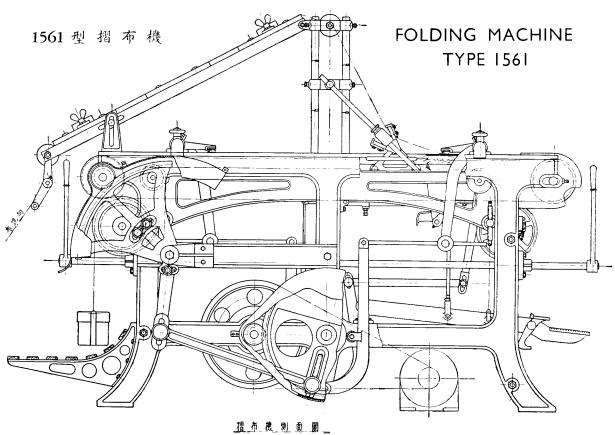


١.	Туре	Vertical
2.	Working width	Max. 1000 mm
3.	Brushing speed	54 metres min.
4.	Drive	Individual motor, with flat belt
5.	Belt pulley for driving Drying machine—diameter speed	
6.	Diameter of belt pulley for Brush Roller	203.2 mm
7.	Feeding Rack	with tension adjusting device
8.	Brush Rollers—number —diameter —speed	189 mm (tip to tip of bristle)
9.	Emery Rollers—number —diameter —speed	186 mm (bare)
10.	Suction funnel	3 pcs. (connected to main duct beneath)



١.	Туре	•	Vertical double cylinder
2.	Width of cloth		Max. 1100 mm.
3.	Surface speed of cylinder		54 metres/min.
4.	Steam pressure applied		Max. I kg/cm ²
5.	Drive	•	By Brushing machine type 1531 through flat belt
6.	Main pulley diameter		228 mm.
7.	Number of Drying cylinder		2 pcs.
	Cylinder diameter		572 mm.
	Cylinder speed		30 rpm.
8.	Half-shell Stretcher		2 pcs.
9.	Safety valve		l nc

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SPECIFICATION:

- Type Plane
 Width of cloth ... Maximum width 1150 mm.
 Speed of folding 54 metres min.
- N.B —For improvement of the machine, we reserve the right to alter either the design or the specification.

- 4. Width of folding 900—1020 mm.
 5. Number of folding Max. 90
 6. Drive By individual motor with V-belt
 7. Height of machine 1500 mm.

1371 型 打 包 機

BALING PRESS TYPE 1371

Specification:

This machine consists of :— Hydraulic Press, Water Pump (including water tank), and Triple Valve.

a)	Нус	draulic Press:—	
	١.	Maximum working pressure	75 metric tons.
	2.	Surface of lifting table	1415 · 1050 mm.
	3.	Maximum distance between tables	970 mm.
	4.	Bale height (on machine)	430 mm. (20 pcs. cloth each of 40 yds.)
	5.	Diameter of piston	200 mm.
	6.	Max. lift of piston	830 mm.
	7.	Machine height	2210 mm. (from floor)
	8.	Total height	3800 mm. (from water pipe)
b)	W	ater Pump:—	
	١.	Number of pistons and their	
		diameters	3 pcs., 58 mm, 45 mm. 25 mm.
	2.	Pressure of pistons	Triple-stage, 60 kg cm², 120 kg cm²
			240 kg cm ² .
	3.	Piston stroke	76 mm.
	4.	Number of reciprocating stroke	154 times min.
	5.	Capacity of water tank	0.22 cu. metre.
	6.	Total height	1140 mm.
c)	Tr	iple Valve:—	
	١.	Diameter of inlet	1 "
	2.	Diameter of outlet	l <u>1</u> "

25X1



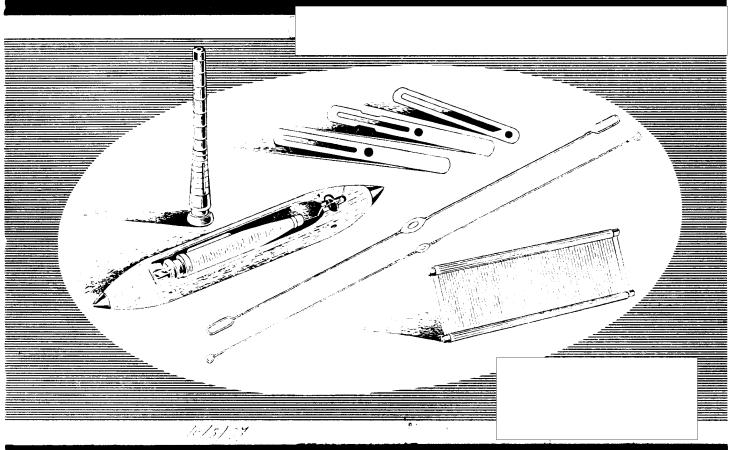
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山」

纱管 梭子 鈿篾 鈿丝综 停经片

CHINESE

BOBBINS, SHUTTLES, REEDS.
WIRE HEALDS & WEAVING DROPPERS



25X1

25X1

中國運輸機械進口公司 CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

Er-Li-Kou, Hsi-Chao Peking China Cable Address: TRANSMACH PEKING

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兹將常見的通用產品,編列目錄於次頁 籍供採用;此外,對於特定設計的各種規格 用品,祗要惠寄圖樣,說明規格,或檢寄實 物樣品,也都可以按照要求,承接定製。如 蒙垂詢,自當竭誠奉覆。

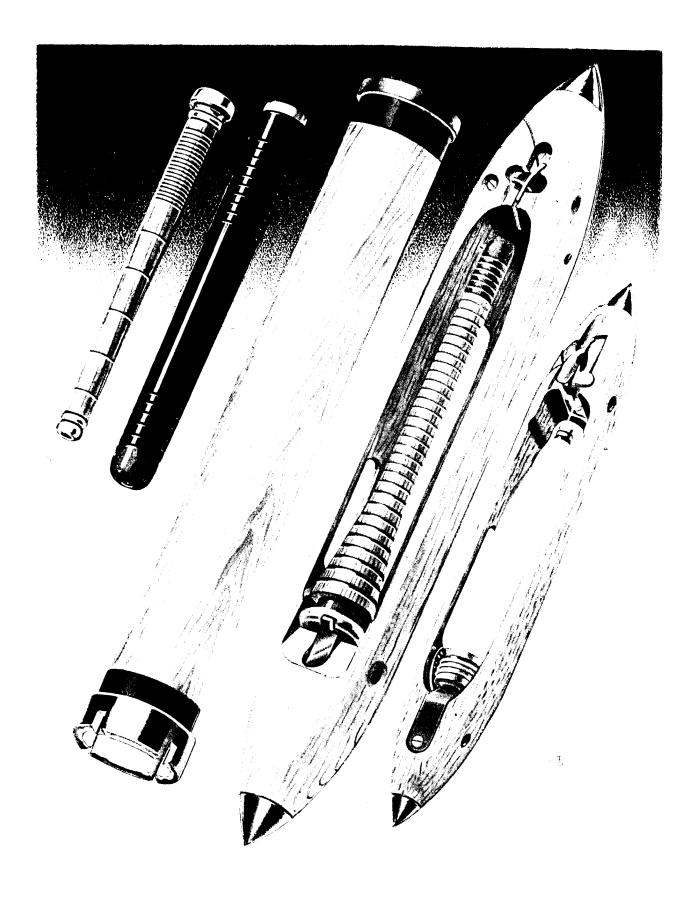


星光牌 STAR LIGHT BRAND

We are suppliers of "Star Light" brand wooden bobbins, shuttles, reeds, wire healds and weaving droppers for cotton, woolen, silk and ramie spinning and weaving factories. These products are made from materials of first choice and are of standard types suitable for various kinds of textile machinery.

In the following pages we give a list of our general products for reference purpose. In case of requirements of special design, we are able to make them in accordance with drawings indicating details of specifications or samples submitted to us.

We shall be very pleased to receive your enquiries and shall always pay our prompt attention.



SPECIFICATIONS OF BOBBINS

粗紗管

SLUBBING AND ROVING BOBBINS

with 28-gauge tinplate holders on top and bottom, finished in brown varnish.

經 紗 管

RING RABBETHS

with one brass ring holder at the bottom, finished with three coatings of black Chinese lacquer, which is well known for its water-proof property.

換梭式緯紗管

WEFT PIRNS

with one brass holder at the bottom, finished with brown varnish, for automatic shuttle changing shuttle.

換緯式緯紗管

WEFT PIRNS

metal base and tip, complete with 3 steel wire rings, finished in brown varnish, for automatic pirn changing shuttle.

普通緯紗管

UNIVERSAL PIRNS

with 28-gauge timplate holders on top and bottom, finished in brown varnish, for common style shuttle.

經紗筒管

WARPING BOBBINS

with steel flange binders and steel bush.

併紗筒管

DOUBLER BOBBINS

with metal shields on both flanges.

寳 塔 紗 筒

WINDER CONES

varnished.

絲織緯紗筒

BOBBINS

for silk or rayon spinning.

粗紗木錠

SKEWERS

for slubbing bobbin.

SPECIFICATIONS OF SHUTTLES

中機自動換梭式梭子

Shuttles for shuttle changing automatic loom

Dimension:

 $13^1\,2^{\prime\prime}\,\times\,1^3\,1^{\prime\prime}\,\times\,1^{\frac{5}{16}\prime\prime}$ (343 mm. \times 44.5 mm. \times 33.2 mm.)

自動換緯式梭子

Shuttles for pirn changing automatic loom

Dimension:

 $14^{1}\,2^{\prime\prime}\,\times\,1^{3}\,1^{\prime\prime}\,\times\,1^{15}\,$ (368 mm. $\times\,$ 44.5 mm. $\times\,$ 33.2 mm.)

普通式梭子

Shuttles of common type power loom

Dimension:

 $14^{1}\,\mathrm{E}^{"} \sim 1^{23}_{32} \times 1^{9}_{32} \times 1^{39}_{32}

絲織梭子

Shuttles (fiber covered on 3 sides) for silk rayon loom

Dimension:

 13^{3} t" \times 1^{1} t" \times 1^{4} " (350 mm. \times 31.8 mm. \times 26.2 mm.)

毛織梭子

Shuttles for woolen and worsted loom

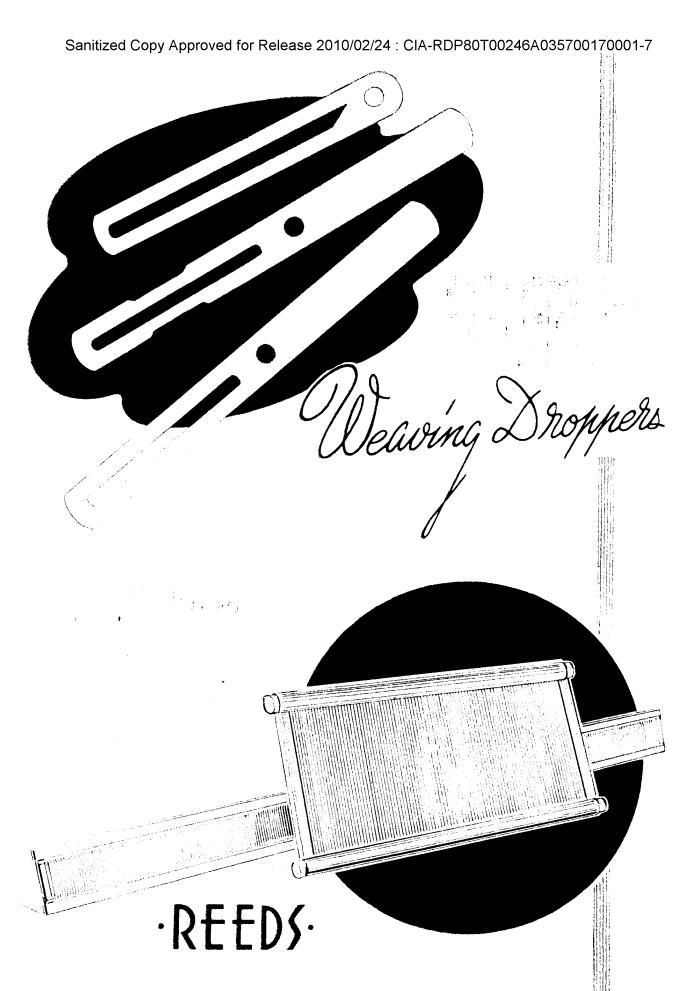
Dimension:

蔴織梭子

Shuttles for jute loom

Dimension:

 $20^{13}_{16} \times 2^{7}_{16} \times 1^{7}_{8}$ (529 mm. × 62 mm. × 47.7 mm.)



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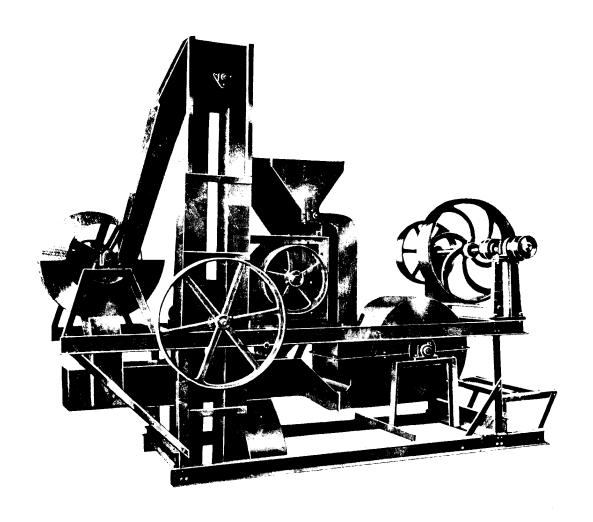
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花生剝皮機 PEANUT SHELLER



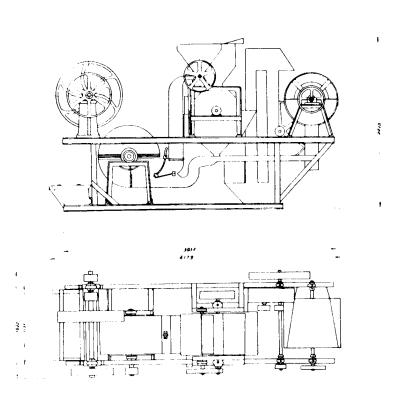
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ER LI KOU, HSI CHAO, PEKING, CHINA . CABLE ADD: TRANSMACH PEKING

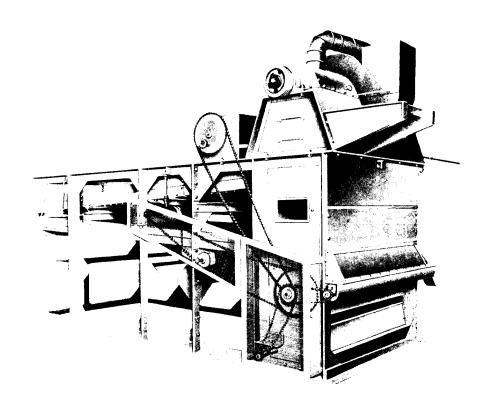
25X1

This machine is specially designed for shelling peanuts and is equipped with a fan for separating peanuts from their shells. It has a high efficiency and is suitable for use in oil mills.

Treating	capacity				 	 	 	2000 kgs. hr.
	Diameter							
	Length							
Grid:	Radius				 	 	 	325 mm.
	Length				 	 	 	565 mm.
Belt Pul	ley: Dia	met	er		 	 	 	562 mm.
								128 mm.
V-Belt F	Pulley: Dia	mete	er		 	 	 	960 mm.
								169 mm.
V–Belt:	Number				 	 	 	6
	Length (
Power	required							
Overall	dimension	ı (L	W	H)	 	 	 	4179 - 1600 - 2428 mm.
Weight					 	 	 	Net 1000 kgs. Approx.



吸風平篩 ASPIRATOR SIFTER

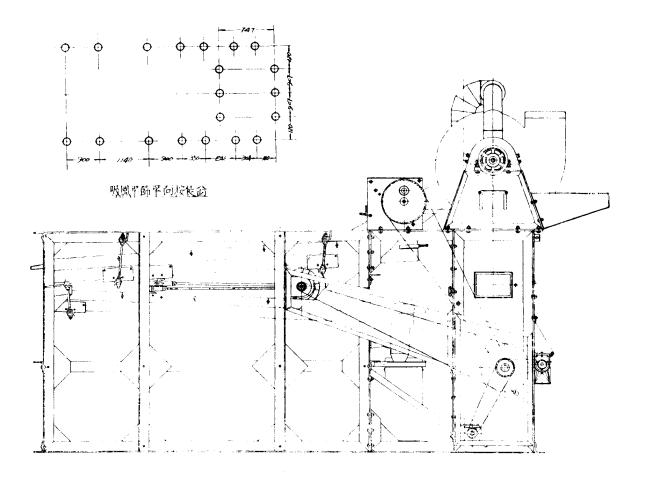


中國運輸機械進口公司 CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP. IMPORTERS & EXPORTERS

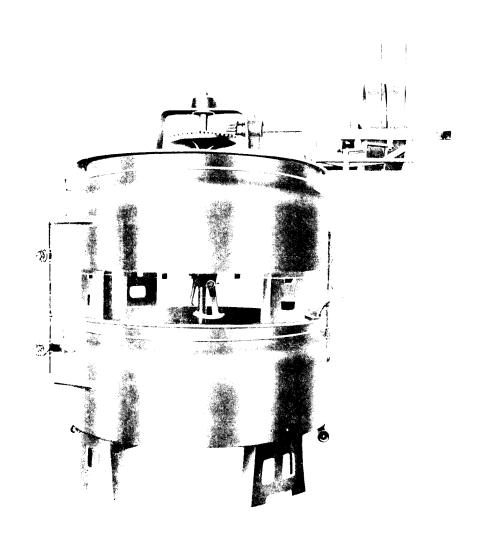
ER LI KOU, HSE CHAO, PEKING, CHINA + CABLE ADD TRANSMACH PEKING

Aspirator sifter is specially designed for cleaning cotton seeds before expelling. This machine separates cotton seed from all dirt and impurities. By means of the aspirator it rids cotton seed of the lighter impurities such as lint, etc. The sifter, shaking to and fro, makes cotton seed rub each other in such a way that dust will be separated from the seed. On account of its high productivity and its capability to supplement the requirements of several oil expellers simultaneously, it is best suited for use in large oil mills.

Sieving area (length &	width)	• • •	 	• • •	 	3060 - 1530 mm.
Number of strokes			 		 	300 per min.
Speed of fan			 		 	1000 rpm.
Treating Capacity (24	hours)	• • •	 		 	80 — 120 tons.
Power required			 		 • • •	10 H.P.
Overall dimension (L	W - H)		 		 	4330 - 2110 - 3100 mm.
Weight			 		 	Net 3,500 kgs. Approx.



預 熱 鍋 PRE-HEATER

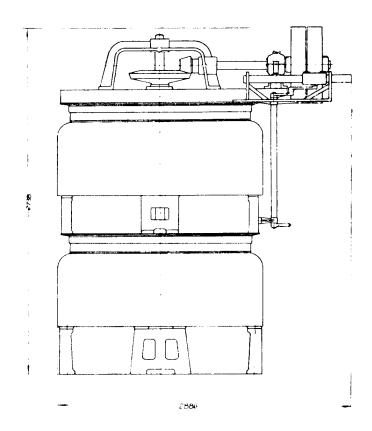


中闲運輸战机進口公司 CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP. IMPORTERS & EXPORTERS

CHAO PERING CHINA L CARLE A.

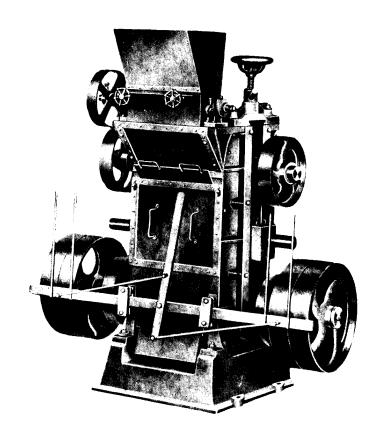
This is a double heating kettle mounted on columns with interior steam-pipe coils for drying seeds, such as peanuts, soya beans, rapeseed, cottonseed, etc., to facilitate oil extraction. The temperature can be regulated according to requirements. Steam is supplied from a separate boiler.

Treating capacity	830 kgs. hr.
Kettle: Inner diameter	
Outer diameter	2209 mm.
Height	762 mm.
Pulley: Width	
Speed	152 rpm.
Diameter	
Inlet opening	
Stirrer blade	
Pre-heating temperature	
Diameter of steam piping	100 mm.
Steam pressure	8 atm.
Stirrer shaft: Diameter	
Speed	
Power required	
Overall dimension (L · W · H)	
Weight	Net 4142 kgs. Approx.



連三軸粉碎機

THREE-HIGH CRUSHING ROLLER MILL

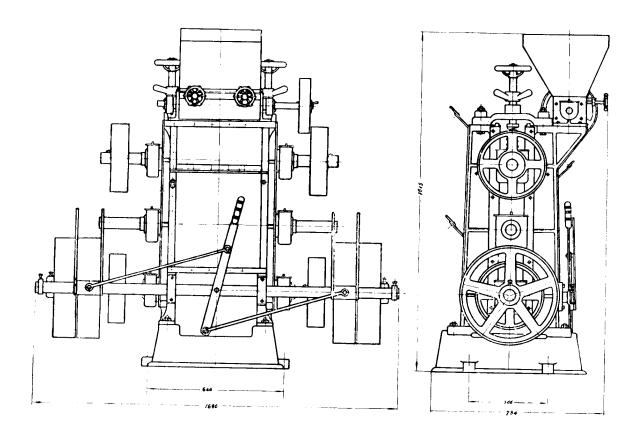


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This Three-High Crushing Roller Mill is constructed of the same principle as the Five-High Model. Three instead of five crushing rolls are arranged one above the other. It is designed to run economically for the medium and small size oil mills, where a smaller treating capacity will suffice.

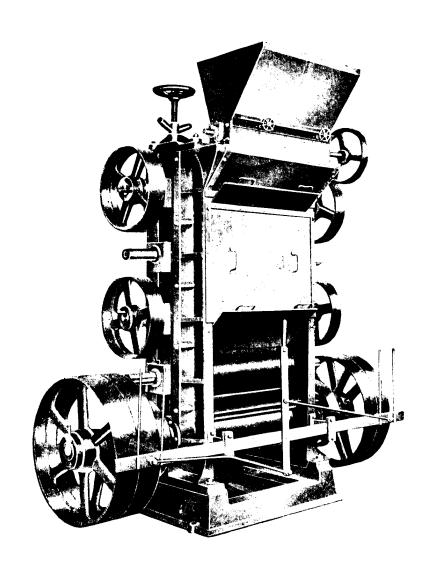
Treating	Capacity	•••	• • • •	• • • •	•••						330 kgs./hr.
Roller:	Diameter	•••			•••	•••					305 mm.
	Length	•••						•••	•••	٠	381 mm.
Diamete	r of pulley		•••	• • •		•••			•••		467 mm.
Width c	of belt		•••	•••	•••		•••	•••	•••		110 mm.
Speed o	f main shaf	t	•••	•••						•••	180 rpm.
Power r	equired	•••	•••	•••			•••				5 H.P.
Overall	dimension	(L >	(W)	×Н)		•••		•••	•••	•••	1,696 × 784 × 1,615 mm.
Weight	•••					•••			•••		Net 1,000 kgs. Approx.



五轴粉碎機

25X1

FIVE-HIGH CRUSHING ROLLER MILL



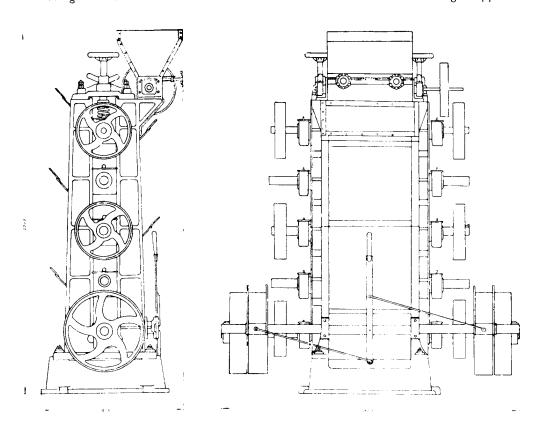
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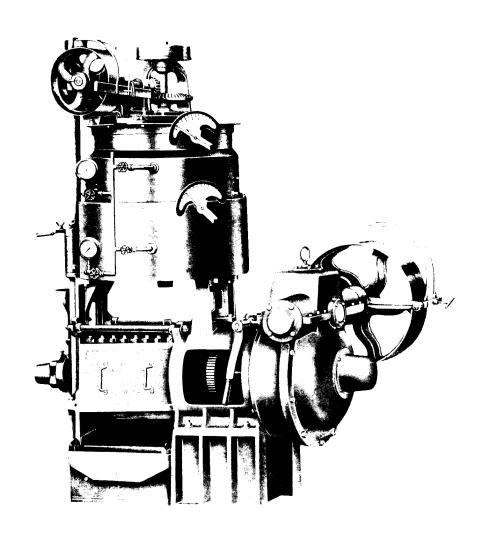
This Five-High Crushing Roller Mill having all its five rolls fitted with ball bearings, runs smoothly, requires little power, and has a very high efficiency. It is used either in oil mills for the preliminary crushing of oil-bearing materials, such as cottonseed, peanuts, soya beans, rapeseed, tung seed, sesameseed, copra, etc., to ensure maximum yield of oil in the subsequent extraction, or in brewhouses where yeast is to be crushed.

The cleaned seed, being automatically and uniformly distributed over the entire length of the top roll by means of the feed hopper and the feed roller, is passed consecutively through 5 rolls in a zig zag manner and is crushed from coarse to fine in four stages. All rolls are equipped with meal guards, which prevent the meats from being thrown off from the revolving rolls onto the floor.

Treating	capacity				 	 	 	916 kgs. hr.
Roller:	Diameter				 	 	 	335.5 mm.
	Length				 	 • • •	 	812 mm.
	Number			• • •	 	 	 	5
Pulley:	Diameter				 	 	 	813 mm.
	Width				 	 	 	140 mm.
Speed of	f main sha	ft			 	 	 • • •	180 rpm.
Power re	equired				 	 	 	25 H.P.
Overall	dimension	(L -	W .	H)	 	 	 	2,420 - 945 2,640 mm.
Weight					 	 	 	Net 3,800 kgs. Approx.



中型榨油機 MEDIUM SIZE OIL EXPELLER



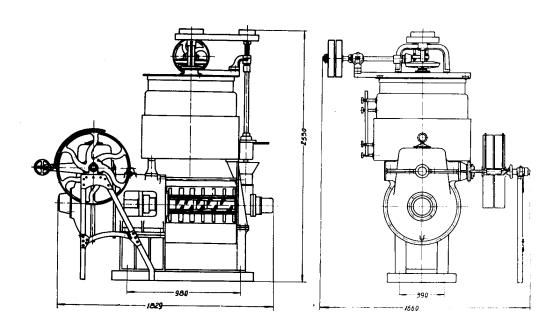
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The Medium Size Oil Expeller can be handled by a single operator. The treating capacity is reduced and adapted for the medium and small oil mills. Procedure of operation and usage of the machine are otherwise same as the 8-ton Model.

CAPACITY

Name of raw material	Temperature of material for pressing	Thickness of cake	Treating cap. per 24 hours	Remaining oil in cake	Pressing
Cotton seed	II0°C	4 mm.	2.5 — 3 tons	6 %	Single
Peanuts	II0°C	4 mm.	2.5 — 3 tons	$5\frac{1}{2}\%$	Single
Rape seed	110°C	4 mm.	2.5 — 3 tons	6%	Single
Sesame seed	110°C	4 mm.	2.5 — 3 tons	$5^{10/}_{2/0}$	Single
Soya beans	110°C	5 mm.	2.5 — 3 tons	5%	Single



Pressing cage:	Diameter	•••		•••	•••	•	•••	•••	101 mm.
	Length					•••	•••	•••	558 mm.
Cage bar:	Length	•••	•••	•••	•••	•••	•••		273 mm.
	Thickness	•••		•••	•••	•••		•••	18 mm.
Cage bar slit		•••	•••	•••	•••		•••		0.65-0.7 mm.
Number of wo	rm wings	•••	•••	•••	•••	•••	•••	•••	6
Worm shaft:	Diameter	•••	•••	•••	•••		•••	•••	50 mm.
	Speed	•••	•••				•••	•••	l4 rpm.
Belt pulley:	Diameter	•••	•••	•••		•••		•••	762 mm.
	Width	•••	•••	•••			•••	•••	105 mm.
	Speed	•••	•••	•••	•••				240 rpm.
Upper kettle:	Diameter	•••	•••	•••	•••	•••	•••	•••	738 mm.
	Height	•••	•••	•••	•••	•••		•••	4 04 mm.
Lower kettle:	Diameter	•••	•••	•••		•••		•••	915 mm.
	Height	•••	•••	•••		•••		•••	305 mm.
Diameter of ste	am piping	•••							50 mm.
Speed of stirrer	shaft	•••	•••			•••			43 rpm.
Steam pressure	requir e d	•••			•••	•••		•••	3.5-4.5 atm.
Overall dimensi	on (L $ imes$ W $ imes$	H)		•••		•••	•••	•••	1829×1660×2550 mm.
Weight	•• •••	•••		•••	•••		•••	•••	Net 3500 kgs. Approx.

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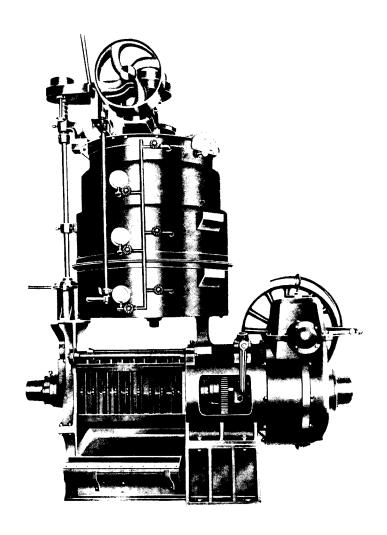
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八噸榨油機 EIGHT-TON OIL EXPELLER



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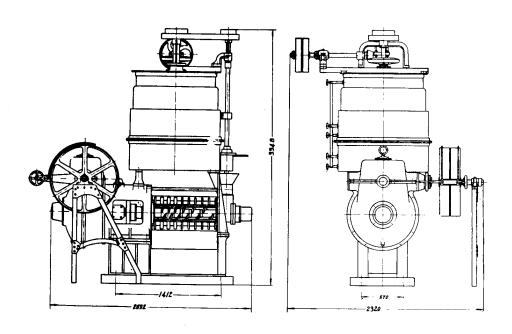
ER-LI-KOU, HSI-CHAO, PEKING, CHINA . . CABLE ADD: TRANSMACH PEKING

The outstanding features of the oil expeller are the improved kettle, worm and cake cutter resulted from our many years of manufacturing experience. Aside from the convenience in operation and maintenance, it is the most powerful and efficient continuous press, especially suitable for the "all purpose" oil mill designed to handle a wide variety of raw materials from time to time.

A triple steam-jacketed kettle with stirring devices is mounted on top to cook the prepared stock at full expeller capacity and efficiency. The meal thus warmed is continuously fed into the oil expeller, where it is subjected to a very high pressure produced by a worm rotating inside of the press cage formed with bars. The oil flows out through the spaces between bars, while the residue is discharged from the slits at the head.

CAPACITY:

Name of raw material	Temperature of material for pressing	Thickness of cake	Treating cap. per 24 hours	Remaining oil in cakes	Pressing
Cotton seed	H0°C	4 mm.	$8 - 8\frac{1}{2}$ tons	6 %	Single
Peanuts	110°C	4 mm.	$7 - 7\frac{1}{2}$ tons	5_{2}^{to}	Single
Rape seed	110°C	4 mm.	$7\frac{1}{2}$ — 8 tons	60/	Single
Sesame seed	110°C	4 mm.	$7\frac{1}{2}$ — 8 tons	$5\frac{10}{2}$ %	Single
Soya Beans	110°C	5 mm.	$8 - 8^{1}_{2}$ tons	5 ⁶ / ₂₀	Single



Pressing cage: Inside diameter 151 mm.	
Length 844 mm.	
Cage bar: Length 273 mm.	
Thickness 11-19 mm.	
Sections of pressing cage 3	
Cage bar slit 0.7-0.65-0.6 mi	n.
Number of worm wings	
Main shaft diameter 76.2 mm.	
Upper kettle: Diameter 990 mm.	
Height 508 mm.	
Steam piping diameter 76 mm.	
Kettle belt pulley: Diameter 455 mm.	
Width 85 mm.	
Speed 208 mm.	
Lower kettle: Diameter 1,215 mm.	
Height 405 mm.	
Kettle stirrer speed 40 rpm.	
Main shaft speed 11.5 rpm.	
Main shaft belt pulley: Diameter 905 mm.	
Width 135 mm.	
Belt pulley speed 244 rpm.	
Steam pressure required 5 to 6 atm.	
Power required 20 H.P.	
Overall dimension (L \times W \times H) 2692 \times 2320 \times 334	0
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